

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066231.D
 Acq On : 14 Aug 2020 12:43
 Operator : VA/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 17 08:42:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	317861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	454537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220314	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	142697	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
35) Dibromofluoromethane	7.91	113	146466	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.34	98	546838	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.63	95	193903	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	55353	19.766	ug/l	95
3) Chloromethane	2.21	50	40221	18.463	ug/l	99
4) Vinyl Chloride	2.35	62	38090	19.750	ug/l	99
5) Bromomethane	2.76	94	25705	20.089	ug/l	99
6) Chloroethane	2.91	64	21971	18.558	ug/l #	89
7) Trichlorofluoromethane	3.27	101	96529	19.198	ug/l	96
8) Diethyl Ether	3.70	74	25307	17.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	55789	18.696	ug/l	99
10) Methyl Iodide	4.30	142	51095	22.994	ug/l	99
11) Tert butyl alcohol	5.23	59	21914	77.237	ug/l	95
12) 1,1-Dichloroethene	4.06	96	52264	18.566	ug/l	97
13) Acrolein	3.92	56	14226	63.024	ug/l	98
14) Allyl chloride	4.71	41	78279	18.355	ug/l	100
15) Acrylonitrile	5.42	53	51740	86.543	ug/l	99
16) Acetone	4.16	43	45402	84.379	ug/l	98
17) Carbon Disulfide	4.40	76	158293	17.685	ug/l	96
18) Methyl Acetate	4.71	43	23194	16.971	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	116438	18.046	ug/l	99
20) Methylene Chloride	4.96	84	70739	20.103	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	60536	18.720	ug/l	91
22) Diisopropyl ether	6.36	45	151731	17.992	ug/l	96
23) Vinyl Acetate	6.30	43	429363	86.904	ug/l	97
24) 1,1-Dichloroethane	6.26	63	95482	18.295	ug/l	98
25) 2-Butanone	7.21	43	68745	86.865	ug/l	97
26) 2,2-Dichloropropane	7.20	77	91355	19.530	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	63811	18.813	ug/l	99
28) Bromochloromethane	7.54	49	37585	20.504	ug/l	100
29) Tetrahydrofuran	7.56	42	42676	87.036	ug/l	96
30) Chloroform	7.71	83	102780	18.754	ug/l	96
31) Cyclohexane	7.98	56	91966	18.511	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	97260	18.928	ug/l	97
36) 1,1-Dichloropropene	8.11	75	78728	18.432	ug/l	97
37) Ethyl Acetate	7.29	43	28428	16.798	ug/l	97
38) Carbon Tetrachloride	8.09	117	93372	19.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	97901	18.961	ug/l	99
40) Benzene	8.35	78	224484	18.946	ug/l	98
41) Methacrylonitrile	7.52	41	16771	16.855	ug/l	95
42) 1,2-Dichloroethane	8.42	62	63907	18.360	ug/l	100
43) Isopropyl Acetate	8.44	43	58830	17.643	ug/l	99
44) Trichloroethene	9.11	130	70044	19.618	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55472	19.142	ug/l	91
46) Dibromomethane	9.47	93	29461	18.456	ug/l	99
47) Bromodichloromethane	9.66	83	77476	18.364	ug/l	90
48) Methyl methacrylate	9.45	41	31315	18.392	ug/l	99
49) 1,4-Dioxane	9.46	88	6904	336.654	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	152053	88.778	ug/l	99
52) Toluene	10.40	92	149617	19.190	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	74955	18.721	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	89438	19.066	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	42306	18.406	ug/l	96
56) Ethyl methacrylate	10.66	69	51189	18.539	ug/l	99
57) 1,3-Dichloropropane	10.94	76	70267	18.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125364	100.936	ug/l	100
59) 2-Hexanone	10.98	43	105338	87.633	ug/l	98
60) Dibromochloromethane	11.14	129	58250	18.356	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40723	18.423	ug/l	99
64) Tetrachloroethene	10.87	164	60657	18.030	ug/l	96
65) Chlorobenzene	11.67	112	163222	18.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	62324	17.909	ug/l	98
67) Ethyl Benzene	11.74	91	281158	18.242	ug/l	99
68) m/p-Xylenes	11.85	106	220487	36.923	ug/l	96
69) o-Xylene	12.18	106	100455	18.493	ug/l	98
70) Styrene	12.20	104	173921	18.269	ug/l	98
71) Bromoform	12.36	173	36696	17.798	ug/l #	97
73) Isopropylbenzene	12.48	105	277971	18.901	ug/l	100
74) N-amyl acetate	12.29	43	55830	17.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	44923	17.914	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	59820	32.559	ug/l #	100
77) Bromobenzene	12.76	156	71273	18.827	ug/l	100
78) n-propylbenzene	12.82	91	325357	19.032	ug/l	99
79) 2-Chlorotoluene	12.91	91	184838	18.905	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	235388	19.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15375	18.499	ug/l	95
82) 4-Chlorotoluene	13.01	91	195782	18.969	ug/l	97
83) tert-Butylbenzene	13.23	119	202102	18.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	235093	19.100	ug/l	100
85) sec-Butylbenzene	13.40	105	280269	19.192	ug/l	99
86) p-Isopropyltoluene	13.52	119	263825	19.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136564	19.193	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	134336	18.932	ug/l	98
89) n-Butylbenzene	13.85	91	236872	19.302	ug/l	99
90) Hexachloroethane	14.11	117	52461	19.205	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	117131	18.614	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7410	17.193	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

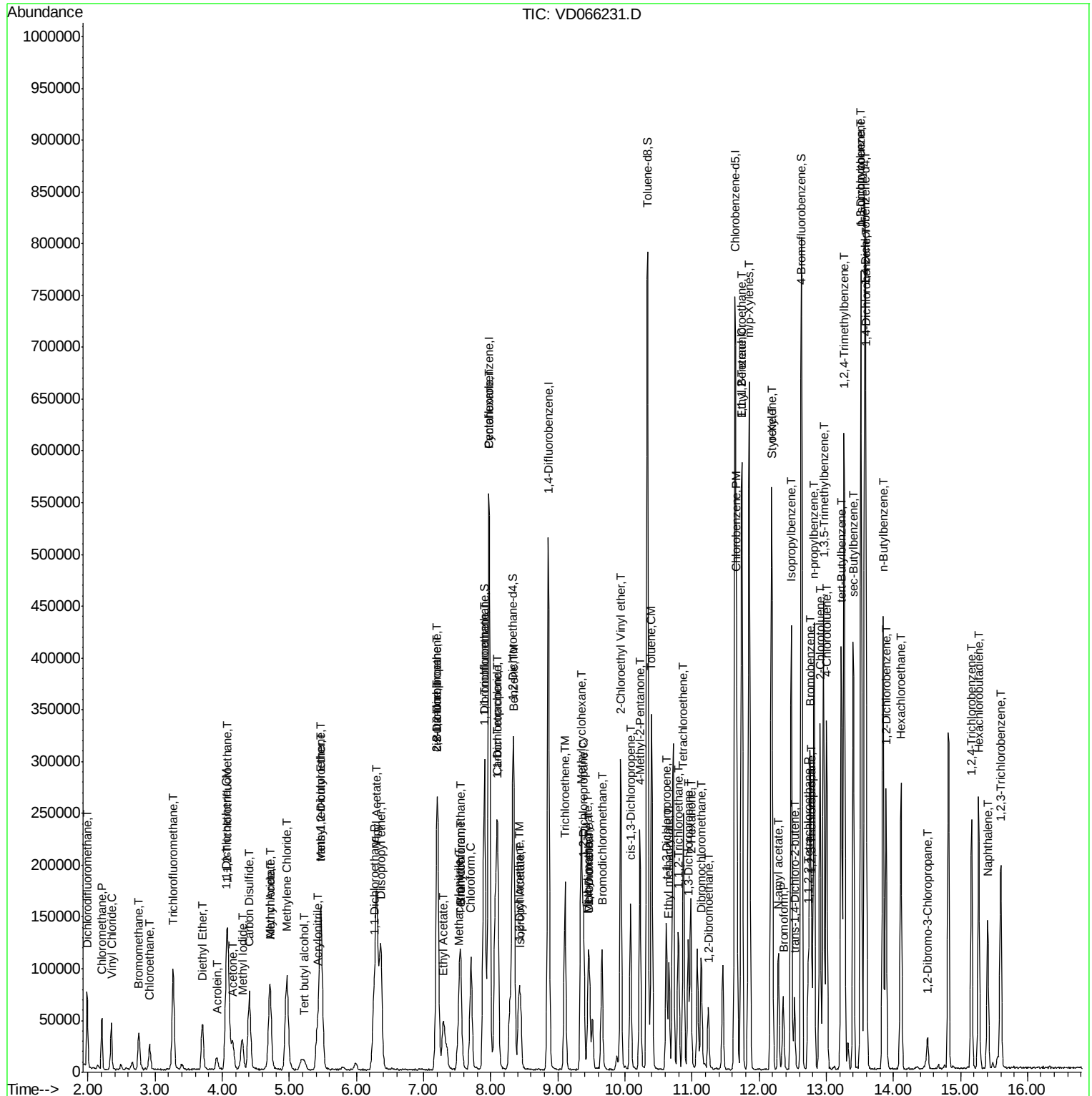
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82414	17.772	ug/l	98
94) Hexachlorobutadiene	15.27	225	52921	19.380	ug/l	97
95) Naphthalene	15.41	128	129471	17.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74654	18.237	ug/l	98

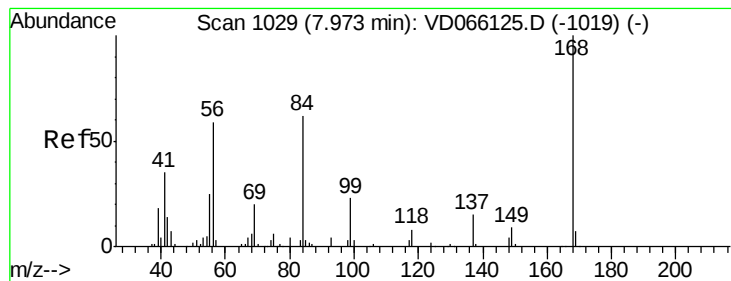
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 14 Aug 2020 12:43
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 Sample : VD0814SBS01
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

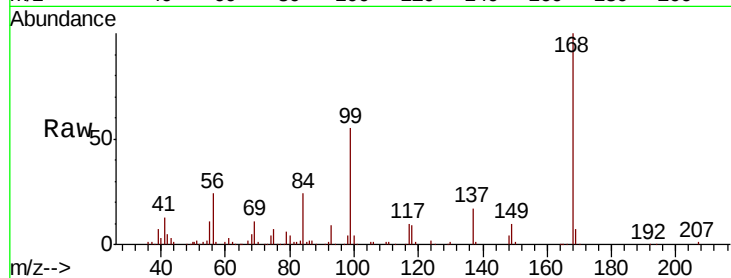
VD0814SBSD01

Tot Ion:168 Resp: 317861

Ion Ratio Lower Upper

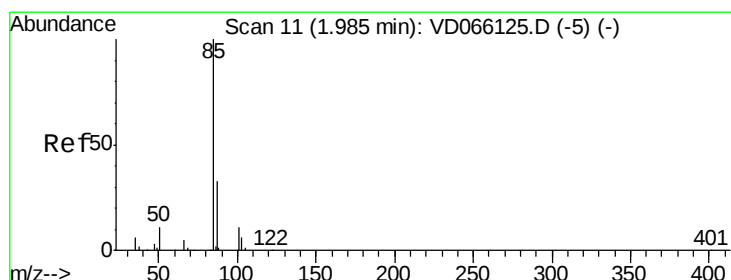
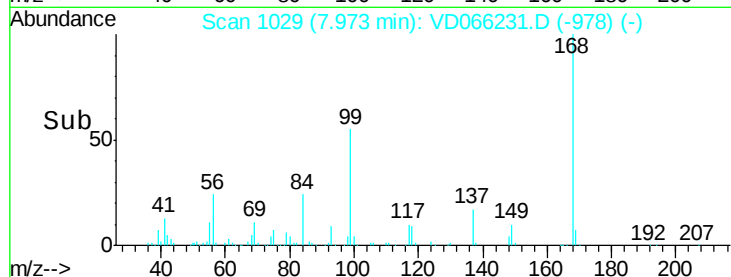
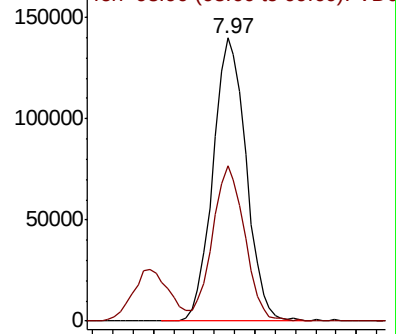
168 100

99 54.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.766 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066231.D

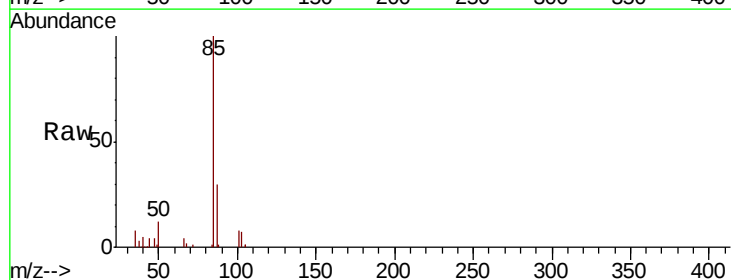
Acq: 14 Aug 2020 12:43

Tgt Ion: 85 Resp: 55353

Ion Ratio Lower Upper

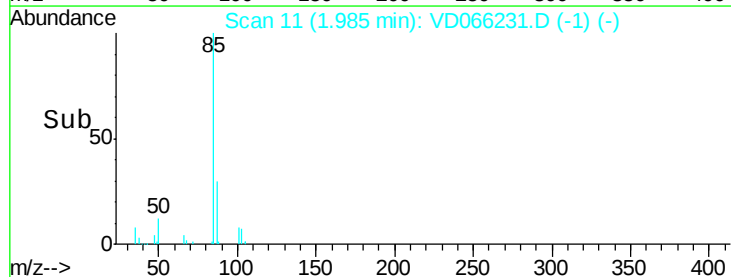
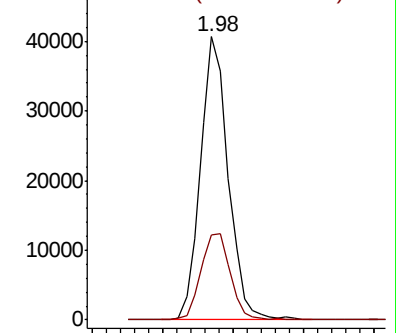
85 100

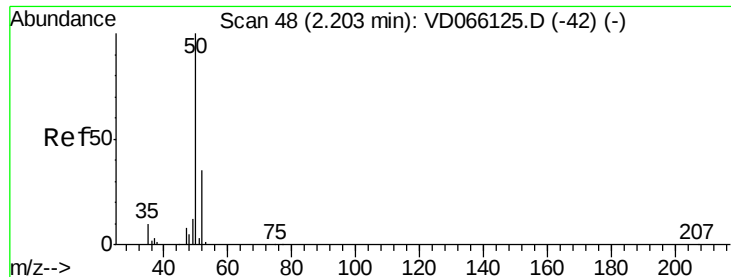
87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

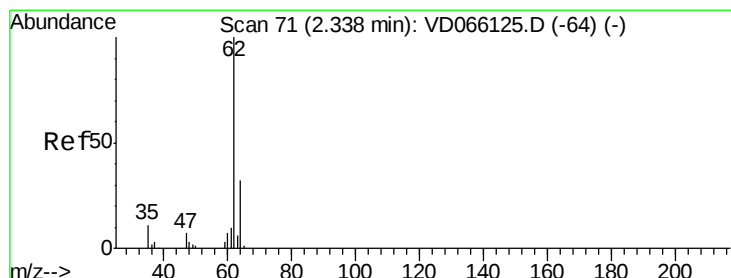
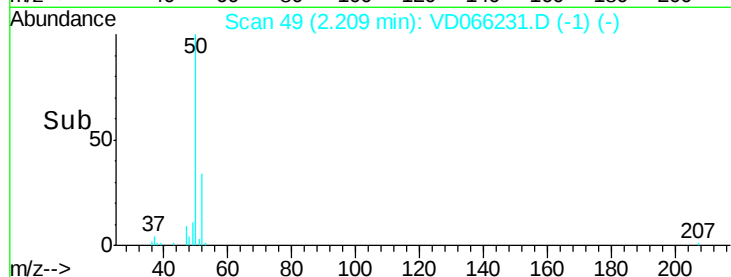
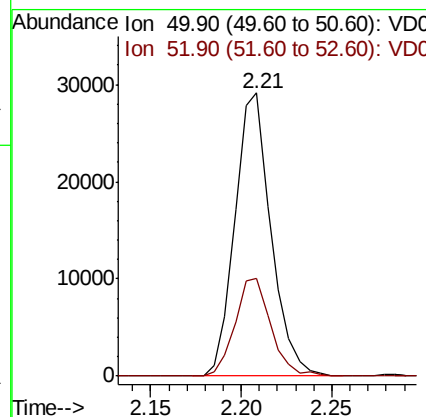
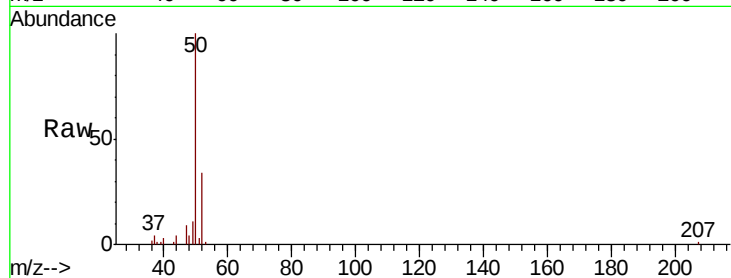
VD0814SBSD01

Tot Ion: 50 Resp: 40221

Ion Ratio Lower Upper

50 100

52 34.5 27.9 41.9



#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066231.D

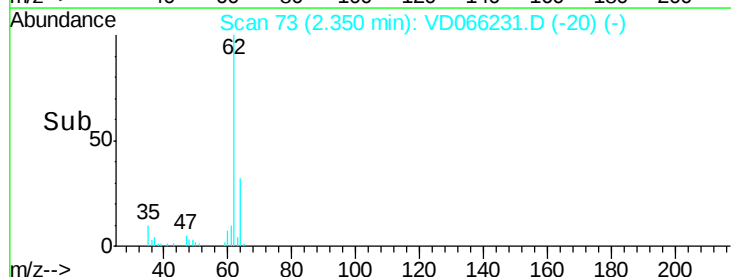
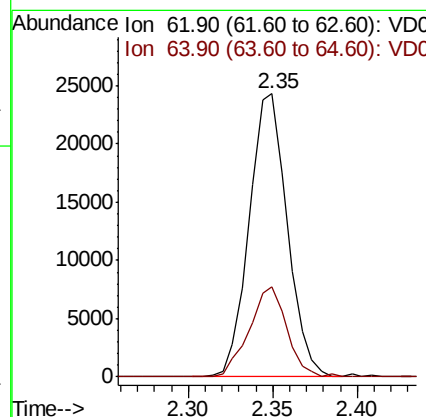
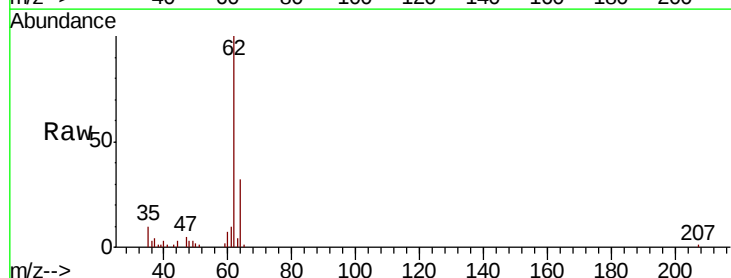
Acq: 14 Aug 2020 12:43

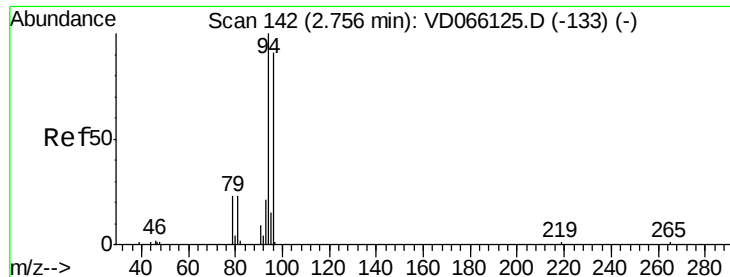
Tgt Ion: 62 Resp: 38090

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 20.089 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

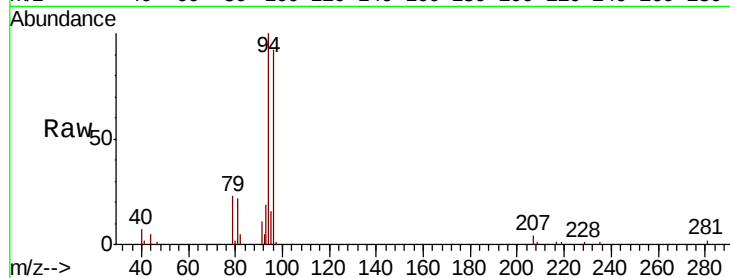
VD0814SBSD01

Tot Ion: 94 Resp: 25705

Ion Ratio Lower Upper

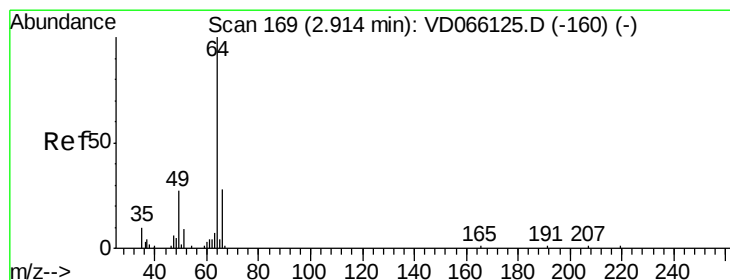
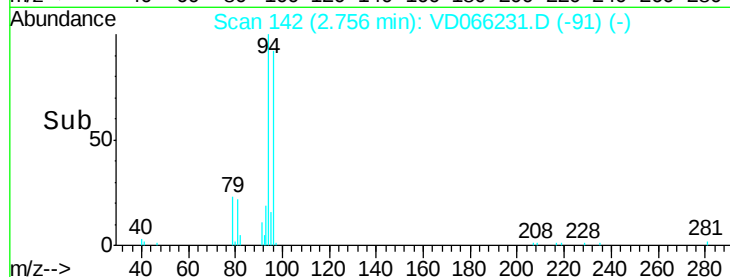
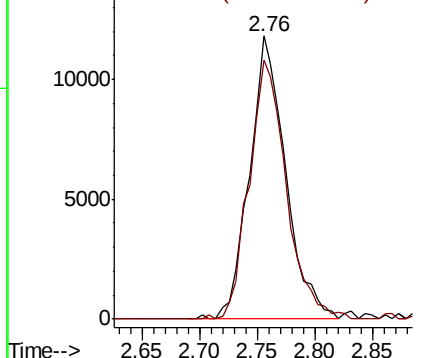
94 100

96 91.5 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.558 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD066231.D

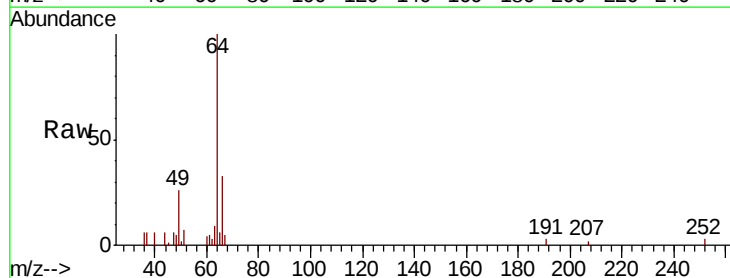
Acq: 14 Aug 2020 12:43

Tgt Ion: 64 Resp: 21971

Ion Ratio Lower Upper

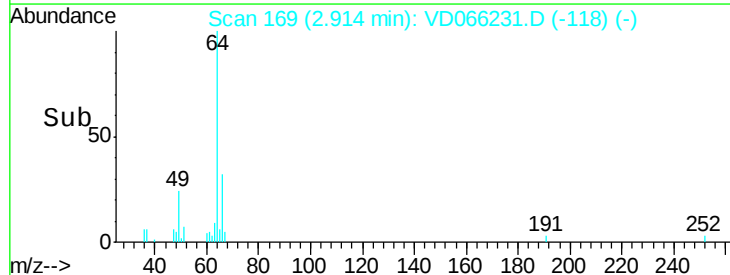
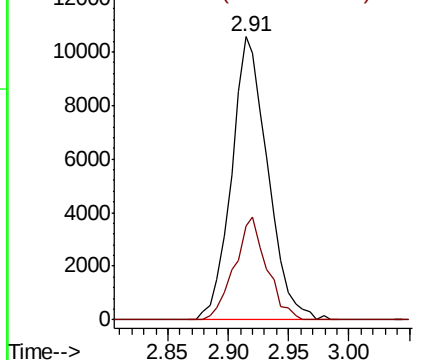
64 100

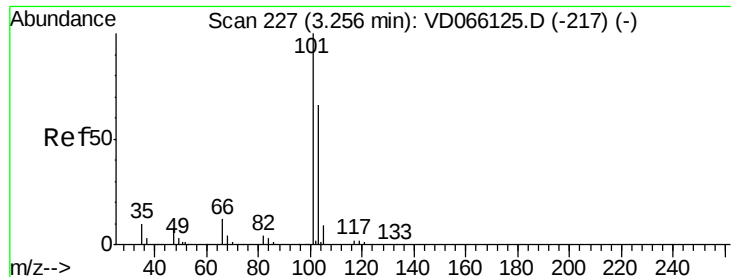
66 33.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



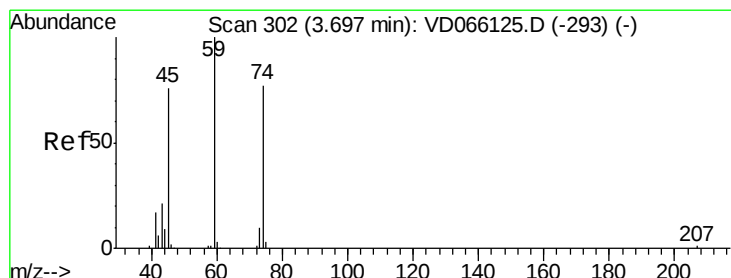
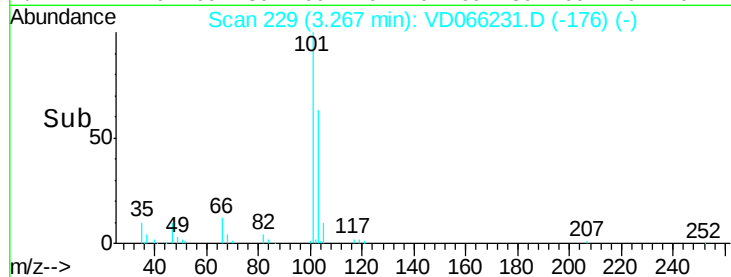
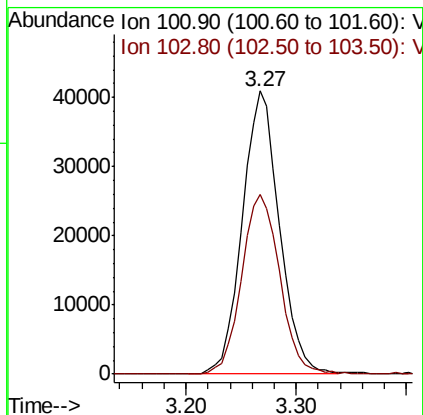
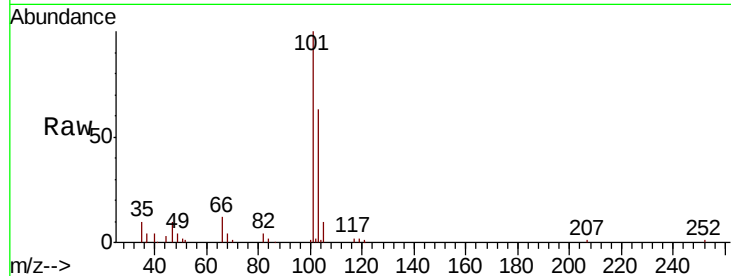


#7

Trichlorofluoromethane
 Concen: 19.198 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
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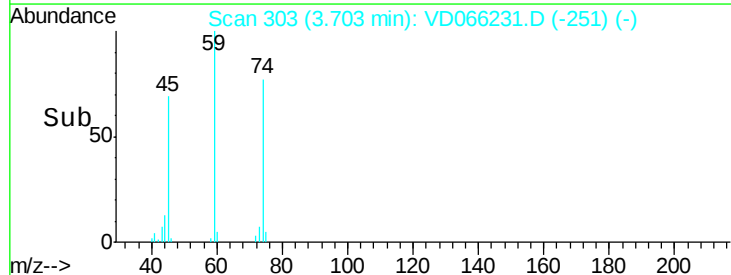
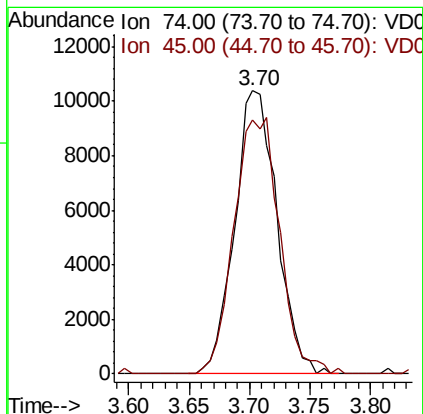
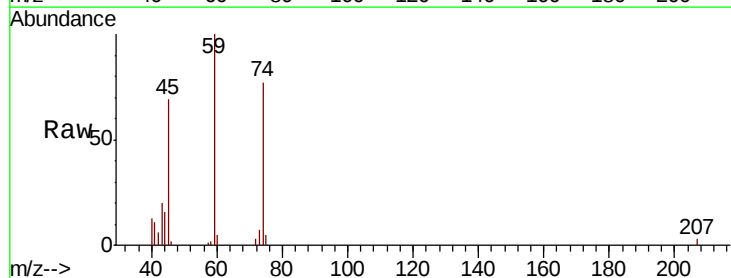
Tot Ion:101 Resp: 96529
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.0 79.6

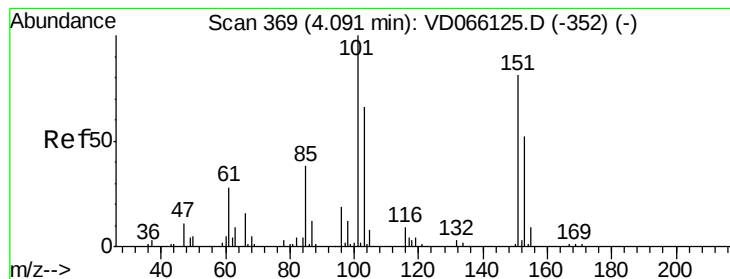


#8

Diethyl Ether
 Concen: 17.837 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion: 74 Resp: 25307
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.696 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

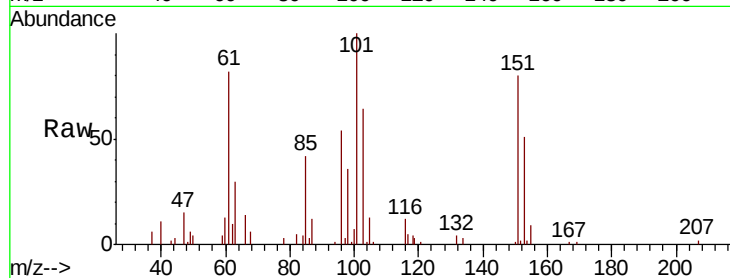
Tot Ion:101 Resp: 55789

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

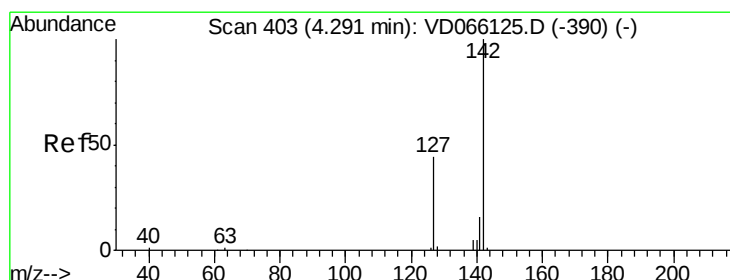
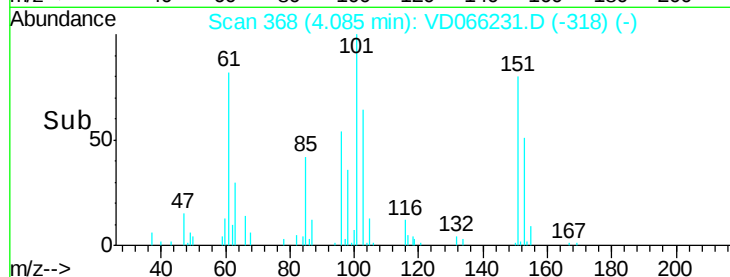
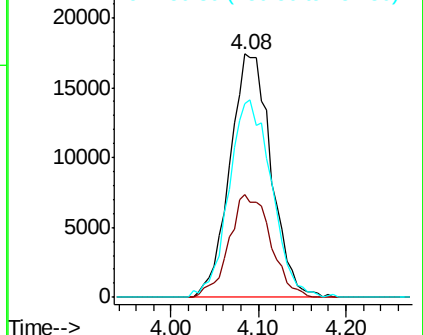
151 84.0 67.8 101.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.994 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

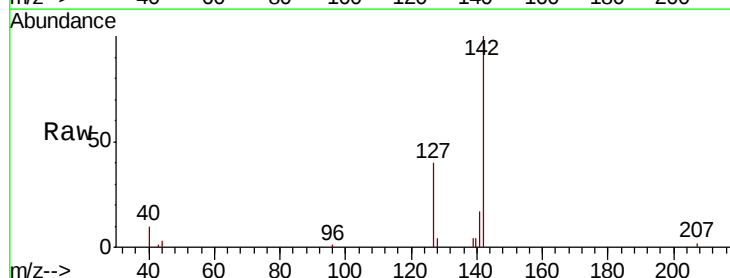
Tgt Ion:142 Resp: 51095

Ion Ratio Lower Upper

142 100

127 45.7 36.2 54.4

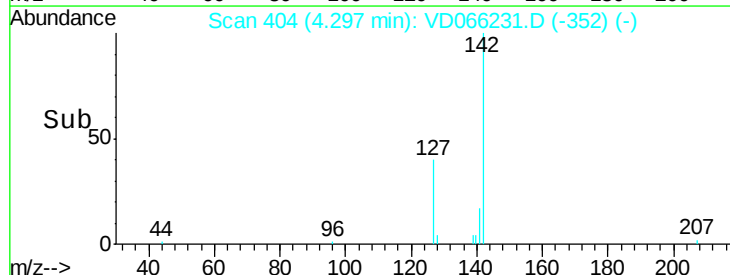
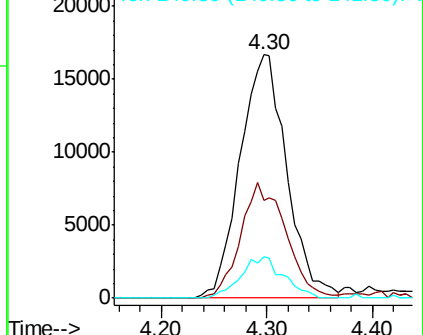
141 15.6 12.6 18.8

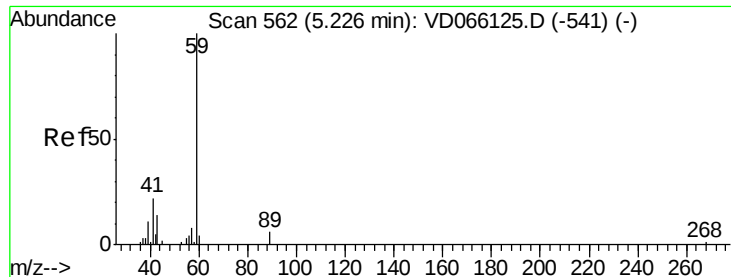


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

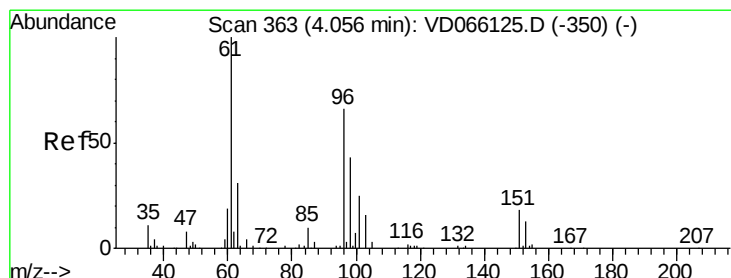
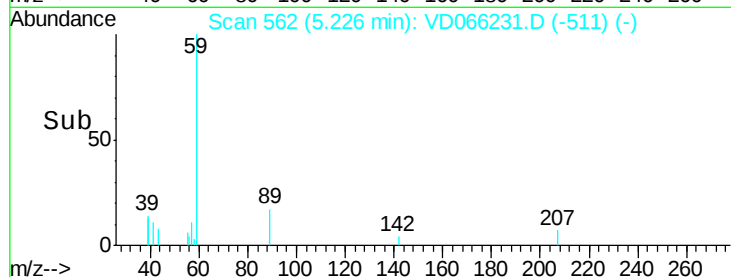
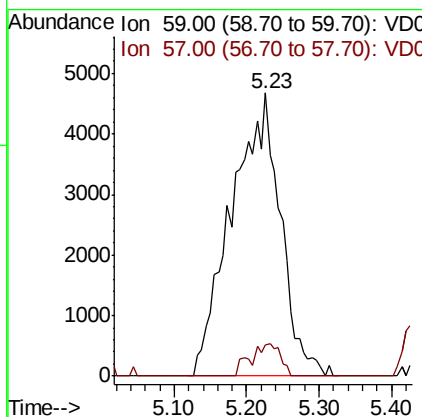
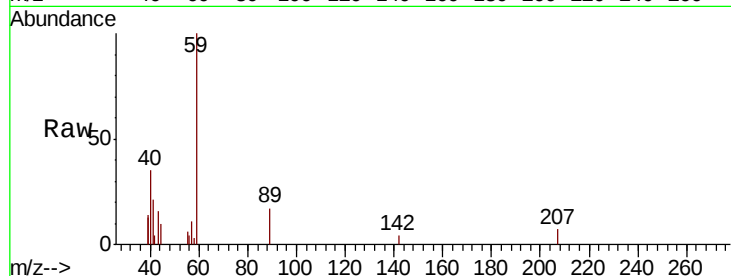




#11
Tert butyl alcohol
Concen: 77.237 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

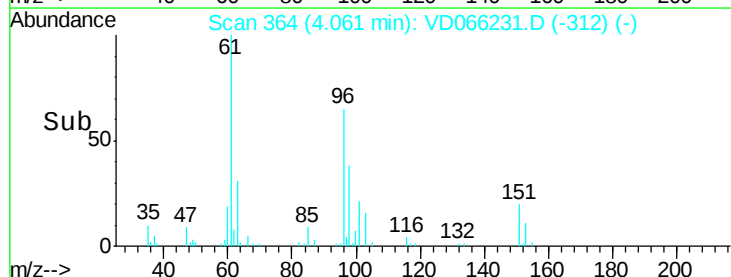
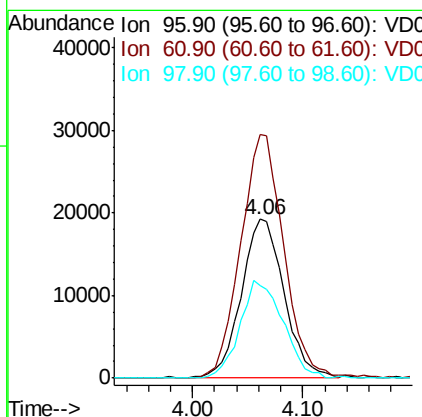
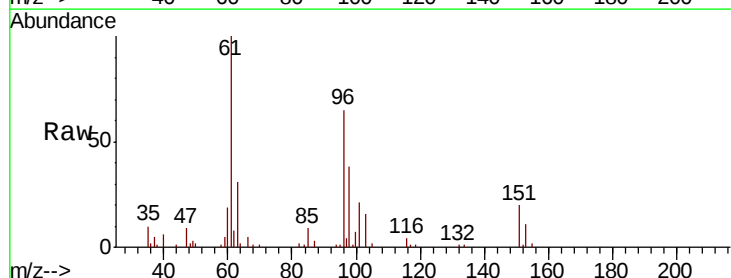
Instrument :
MSVOA_D
ClientSampleID :
VD0814SBSD01

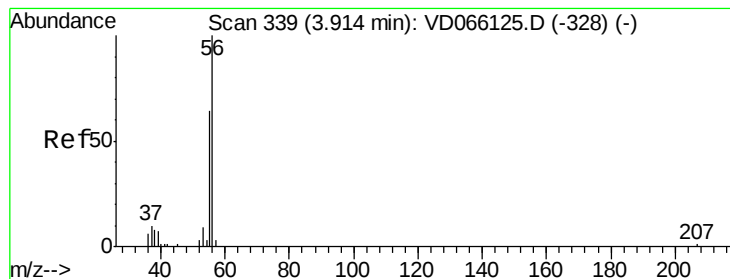
Tot Ion: 59 Resp: 21914
Ion Ratio Lower Upper
59 100
57 7.0 7.0 10.4



#12
1,1-Dichloroethene
Concen: 18.566 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 96 Resp: 52264
Ion Ratio Lower Upper
96 100
61 153.5 121.6 182.4
98 58.6 52.0 78.0





#13

Acrolein

Concen: 63.024 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

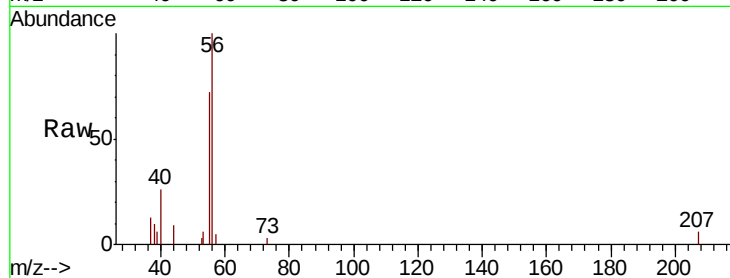
VD0814SBSD01

Tot Ion: 56 Resp: 14226

Ion Ratio Lower Upper

56 100

55 69.6 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

6000

5000

4000

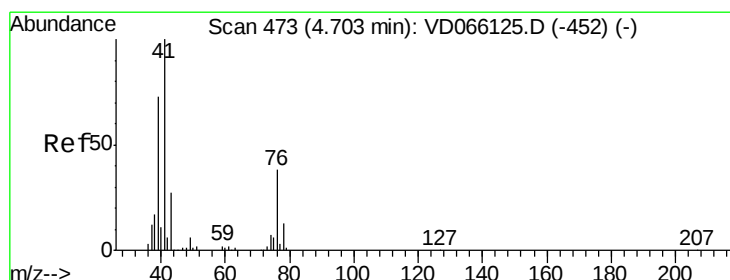
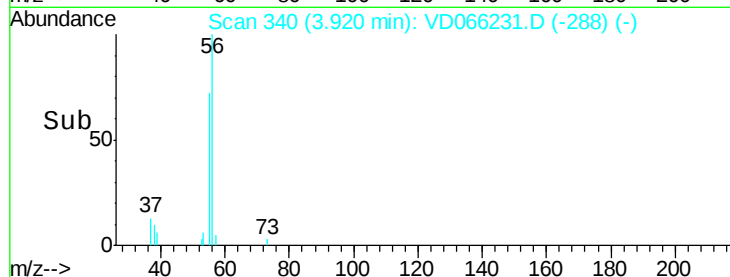
3000

2000

1000

0

Time--> 3.80 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 18.355 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

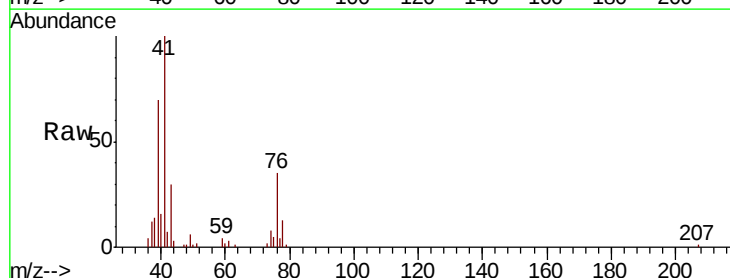
Tgt Ion: 41 Resp: 78279

Ion Ratio Lower Upper

41 100

39 71.8 57.4 86.0

76 37.9 30.1 45.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

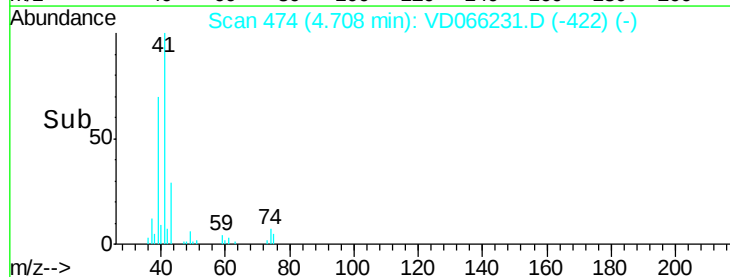
30000

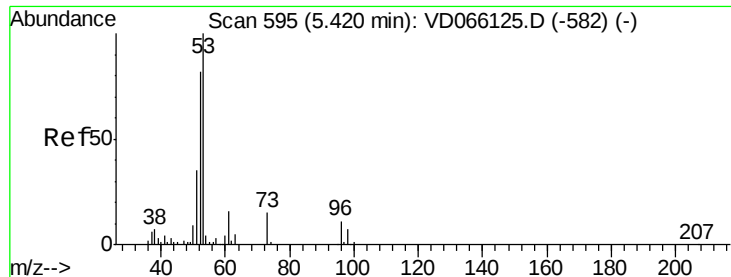
20000

10000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 86.543 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

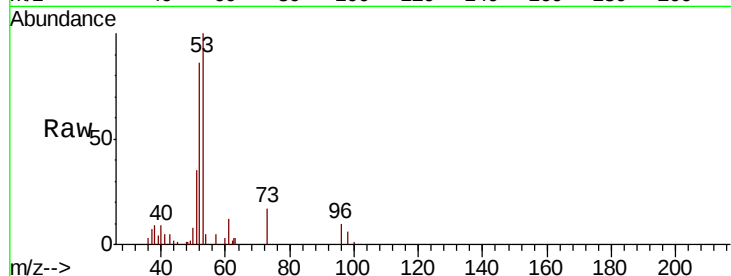
Tot Ion: 53 Resp: 51740

Ion Ratio Lower Upper

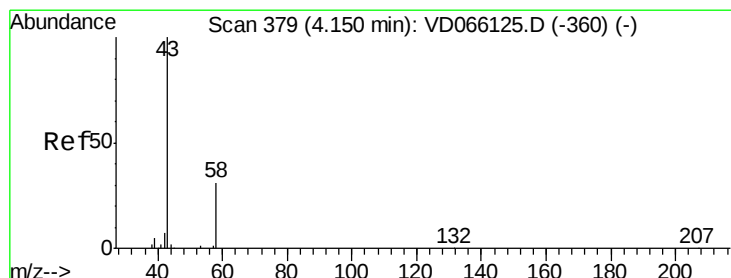
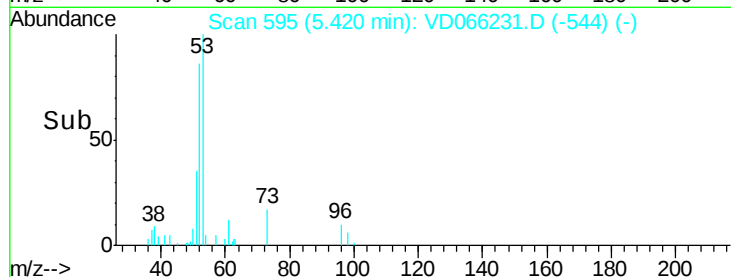
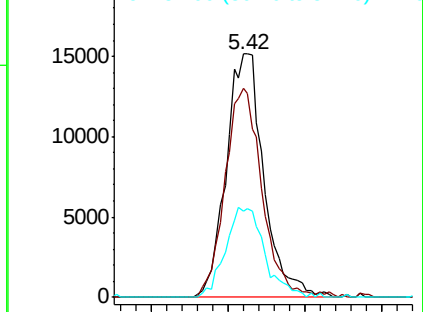
53 100

52 83.7 66.1 99.1

51 38.0 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 84.379 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066231.D

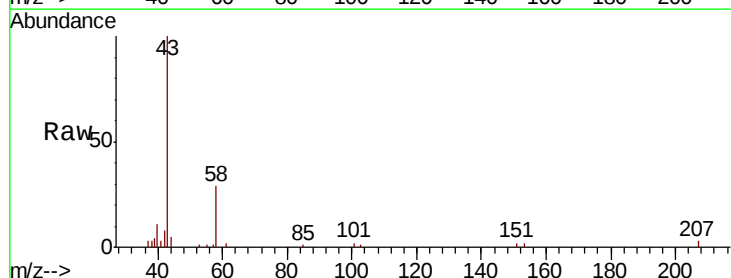
Acq: 14 Aug 2020 12:43

Tgt Ion: 43 Resp: 45402

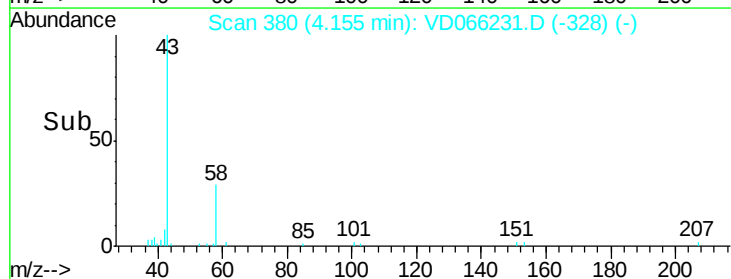
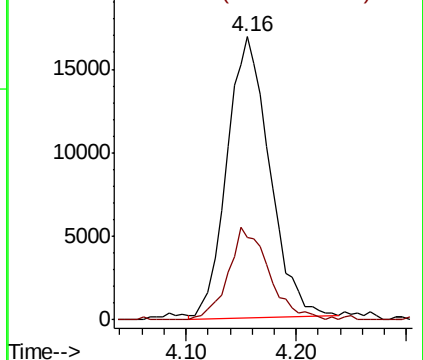
Ion Ratio Lower Upper

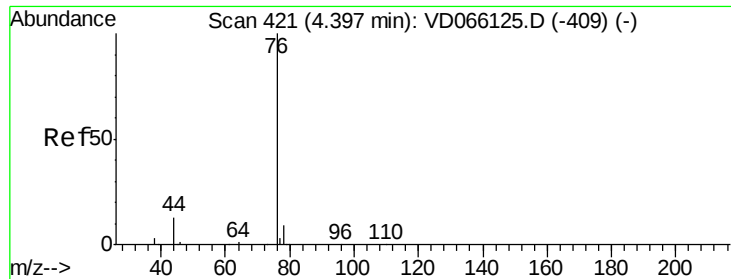
43 100

58 29.7 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

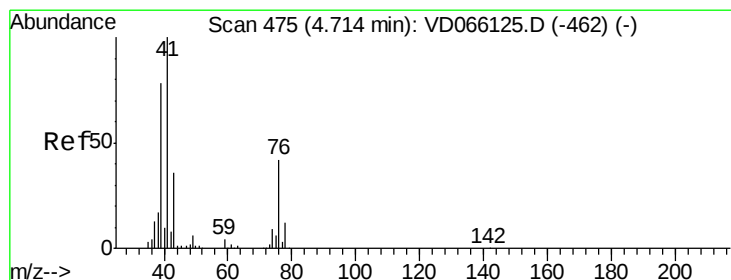
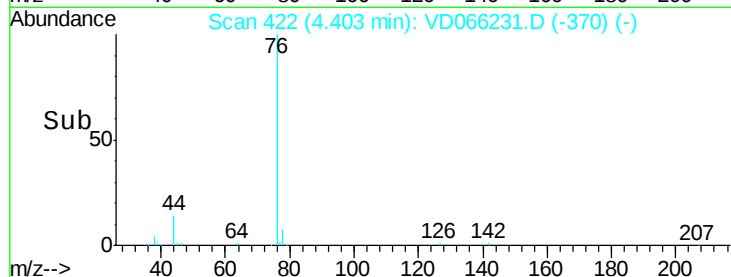
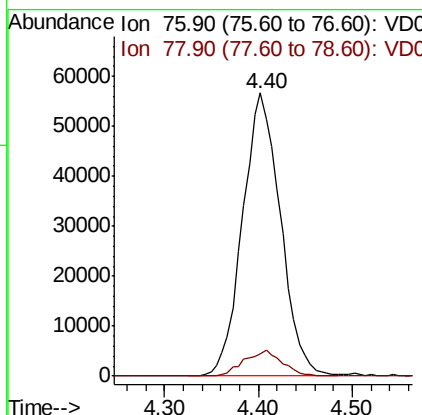
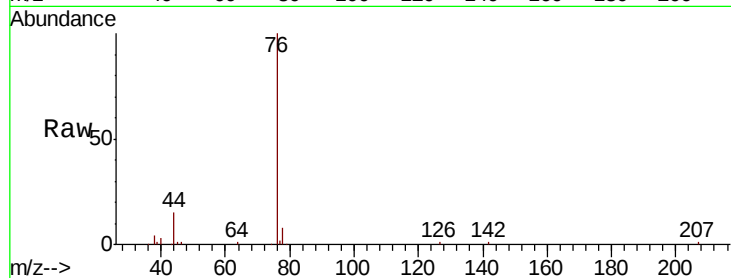




#17
Carbon Disulfide
Concen: 17.685 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

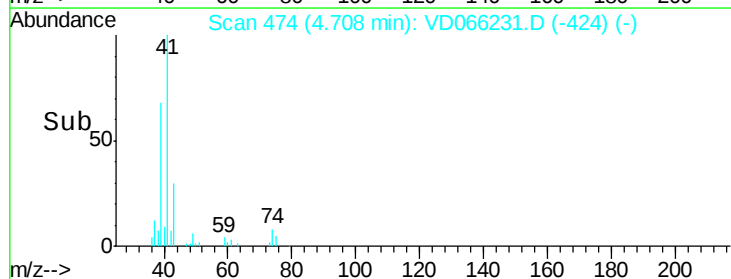
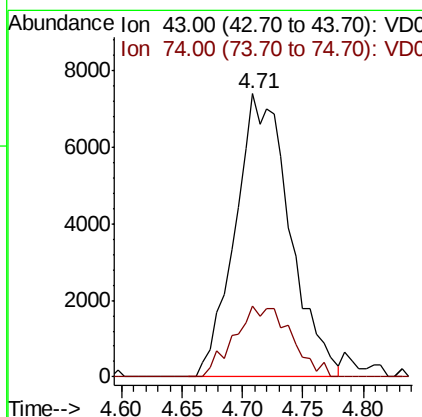
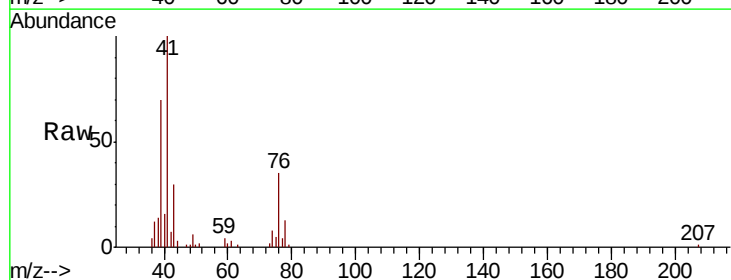
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

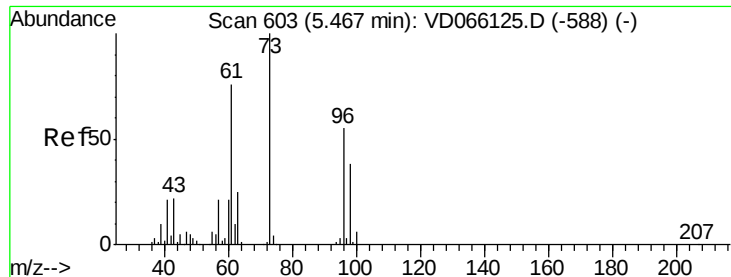
Tot Ion: 76 Resp: 158293
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3



#18
Methyl Acetate
Concen: 16.971 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 43 Resp: 23194
Ion Ratio Lower Upper
43 100
74 26.0 21.2 31.8

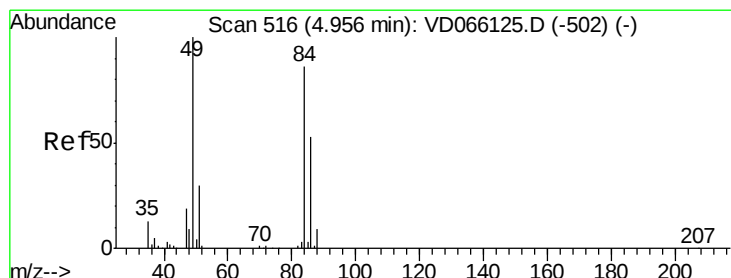
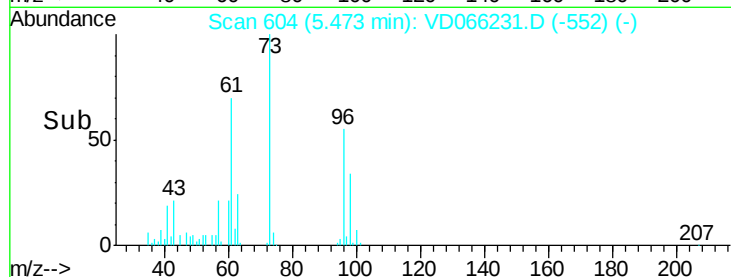
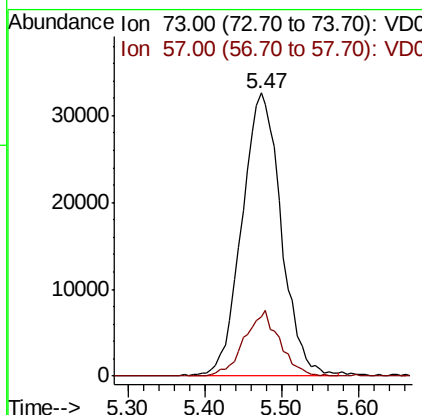
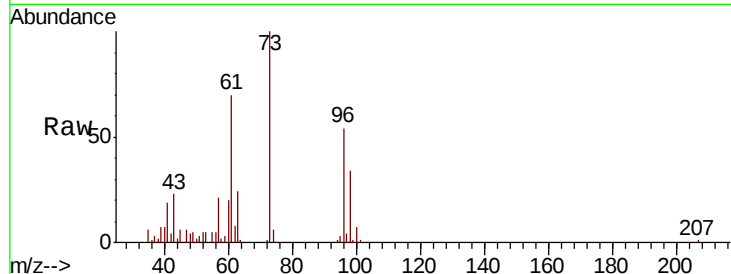




#19
Methyl tert-butyl Ether
Concen: 18.046 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

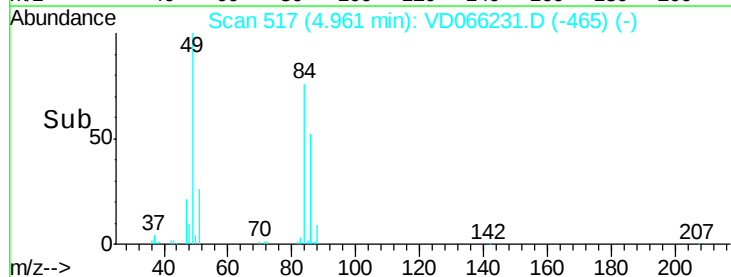
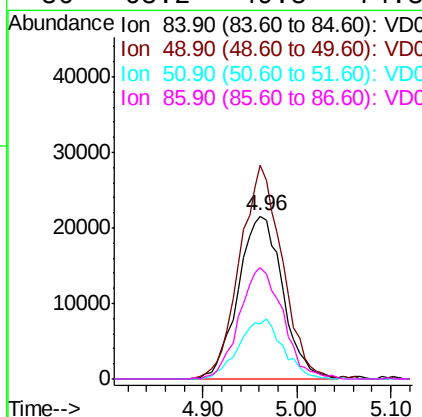
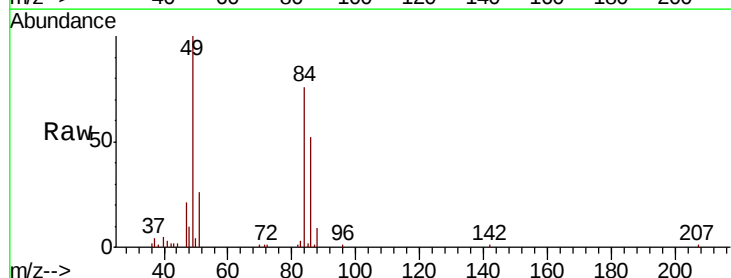
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

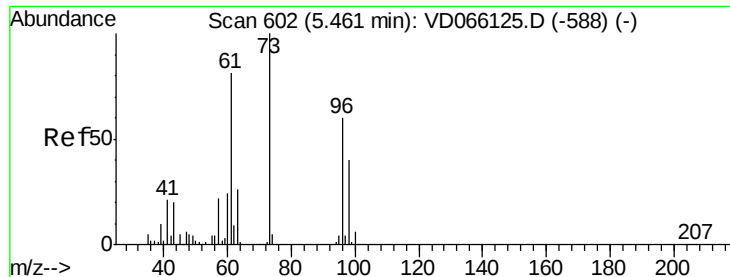
Tot Ion: 73 Resp: 116438
Ion Ratio Lower Upper
73 100
57 21.0 17.1 25.7



#20
Methylene Chloride
Concen: 20.103 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 84 Resp: 70739
Ion Ratio Lower Upper
84 100
49 131.1 93.5 140.3
51 33.5 28.2 42.4
86 68.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.720 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

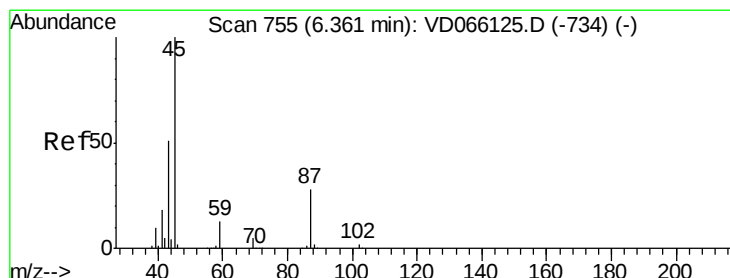
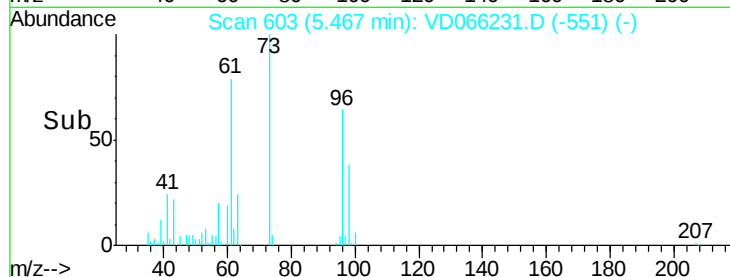
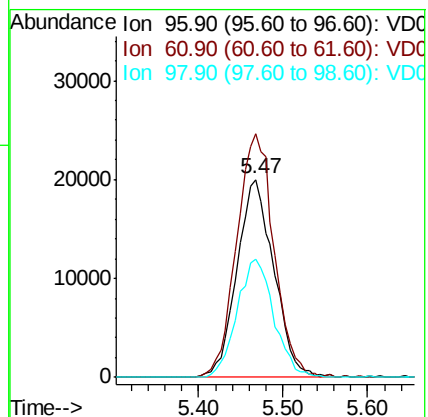
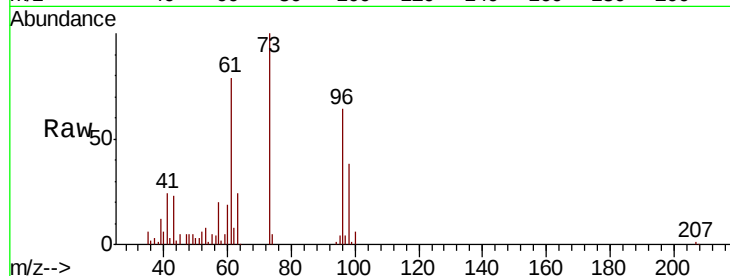
Tot Ion: 96 Resp: 60536

Ion Ratio Lower Upper

96 100

61 123.3 106.9 160.3

98 59.9 53.4 80.0



#22

Diisopropyl ether

Concen: 17.992 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion: 45 Resp: 151731

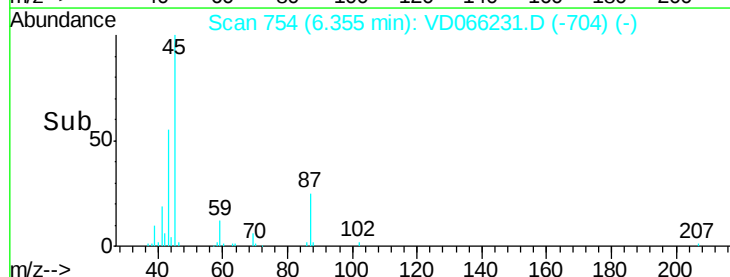
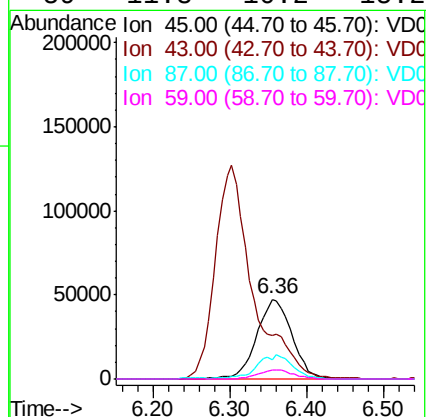
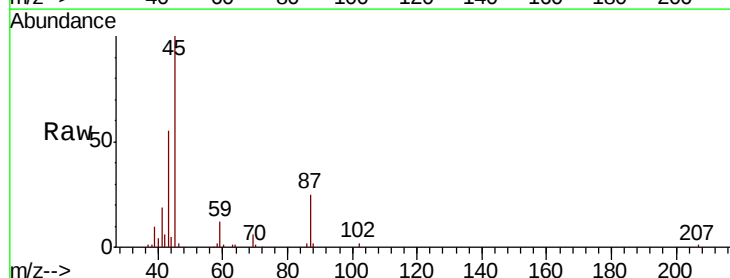
Ion Ratio Lower Upper

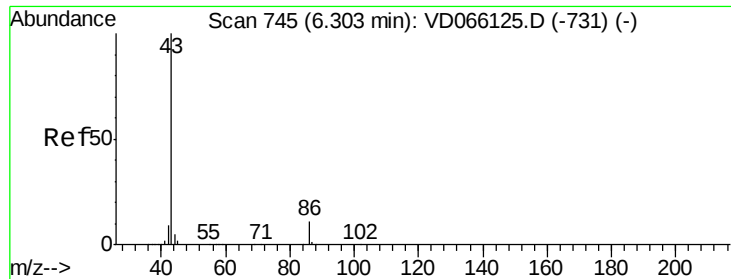
45 100

43 53.2 41.2 61.8

87 24.6 22.8 34.2

59 11.8 10.2 15.2





#23

Vinyl Acetate

Concen: 86.904 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

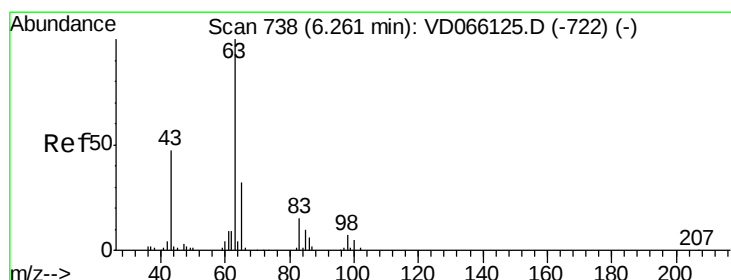
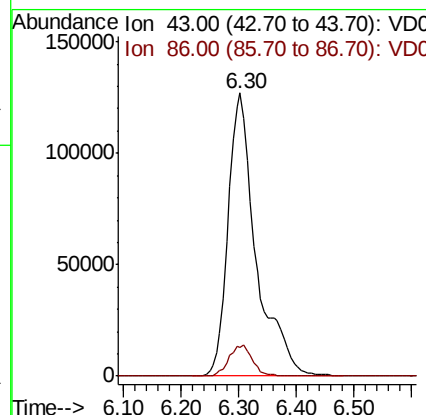
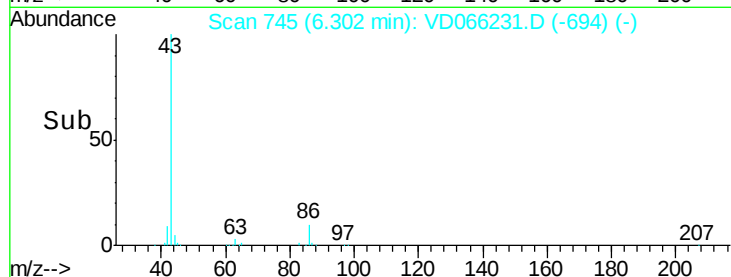
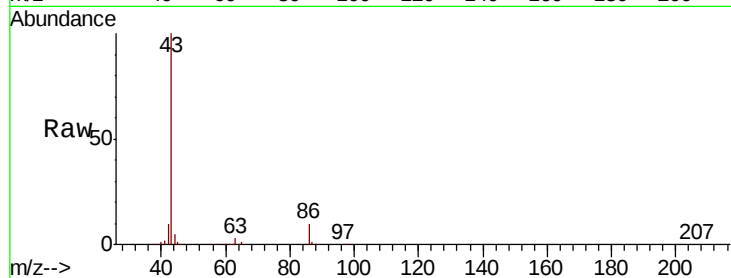
VD0814SBS01

Tot Ion: 43 Resp: 429363

Ion Ratio Lower Upper

43 100

86 10.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 18.295 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

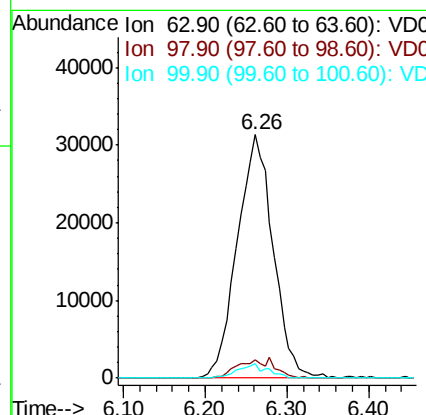
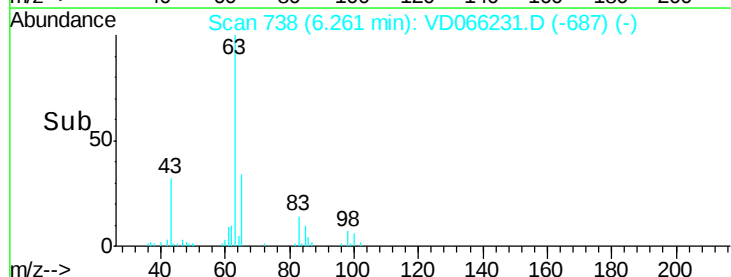
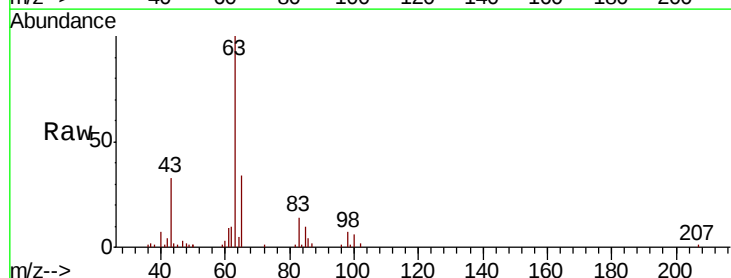
Tgt Ion: 63 Resp: 95482

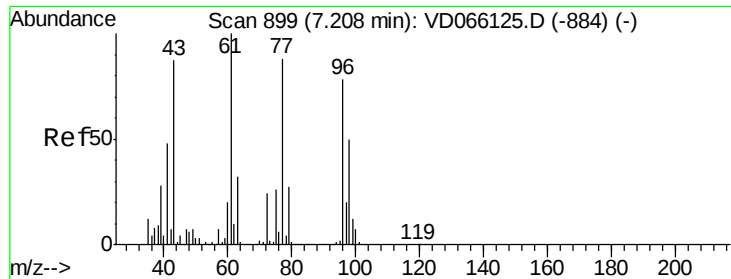
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 5.9 2.4 7.2





#25

2-Butanone

Concen: 86.865 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

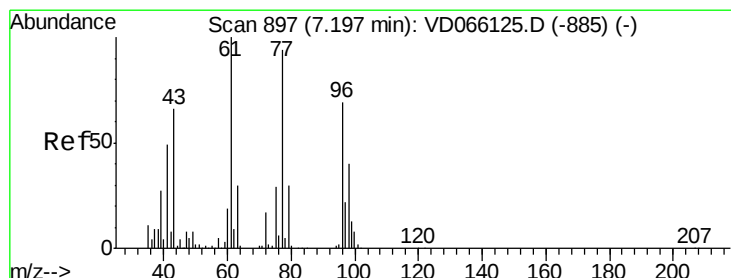
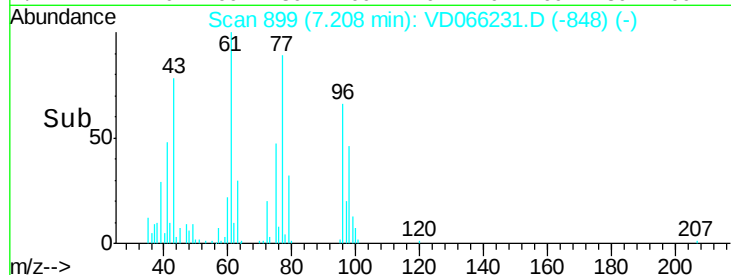
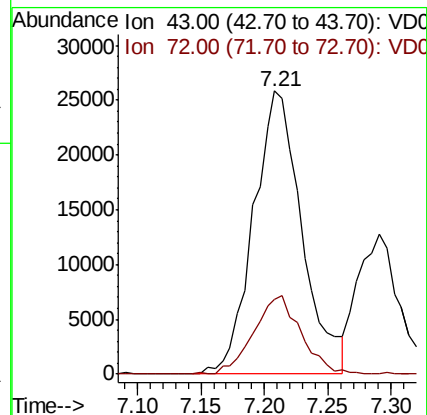
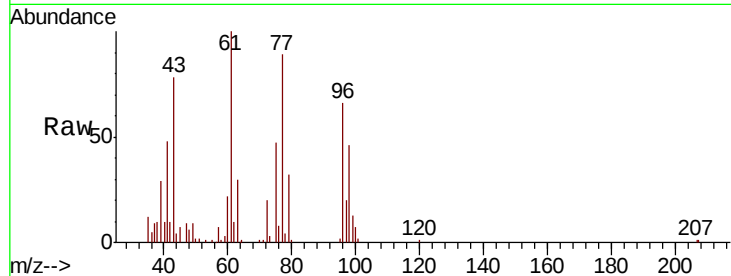
VD0814SBSD01

Tot Ion: 43 Resp: 68745

Ion Ratio Lower Upper

43 100

72 26.3 22.2 33.2



#26

2,2-Dichloropropane

Concen: 19.530 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066231.D

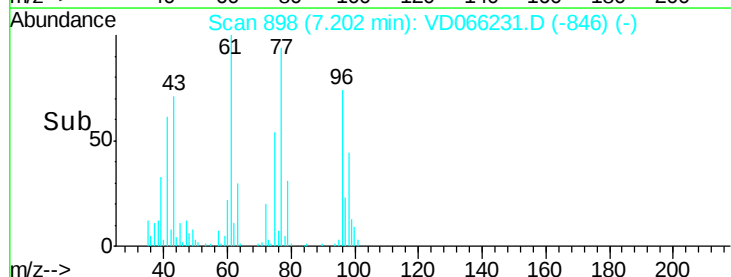
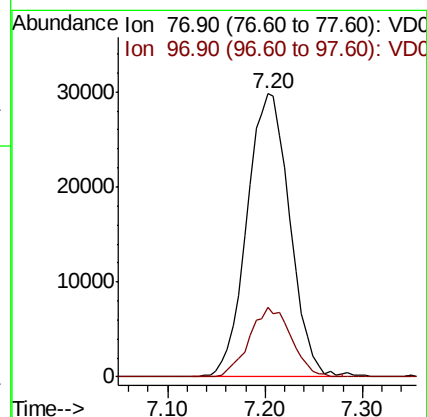
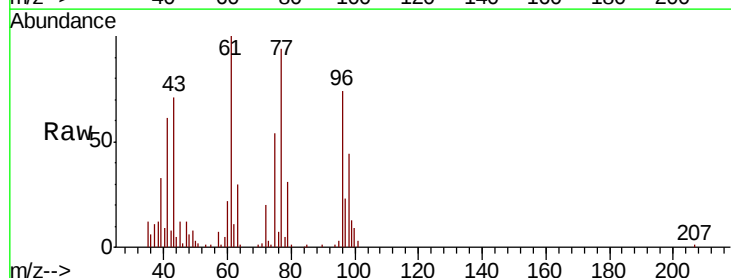
Acq: 14 Aug 2020 12:43

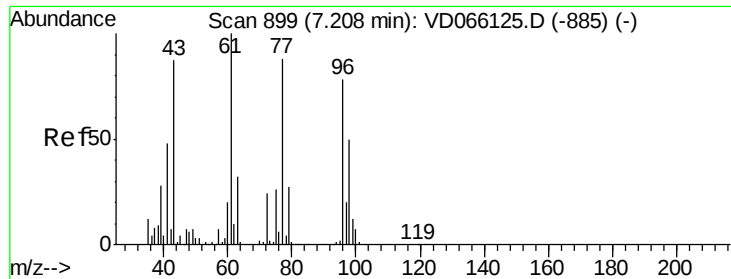
Tgt Ion: 77 Resp: 91355

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3



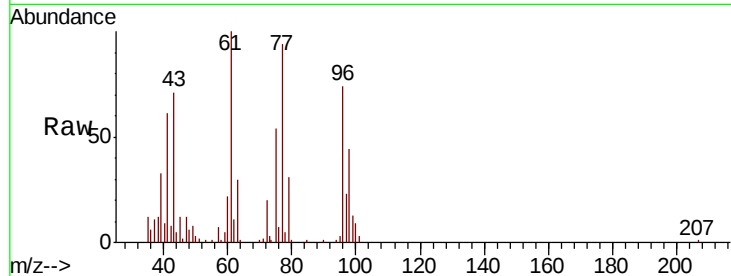


#27

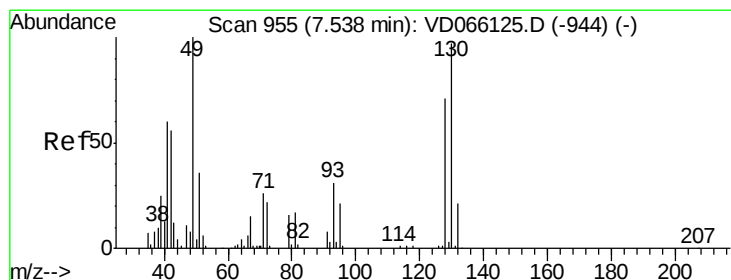
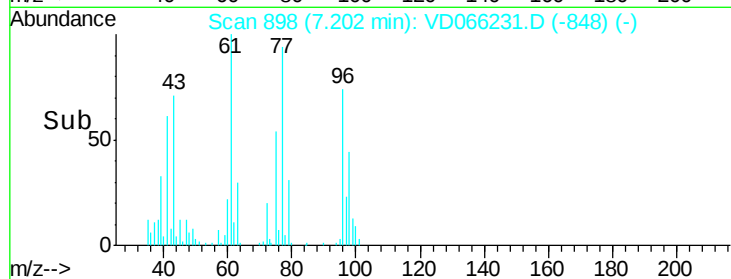
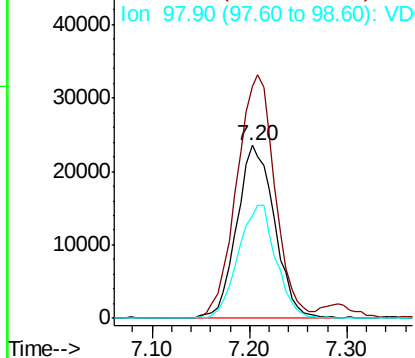
cis-1,2-Dichloroethene
 Concen: 18.813 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion: 96 Resp: 63811
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 281.6
 98 65.1 0.0 130.8



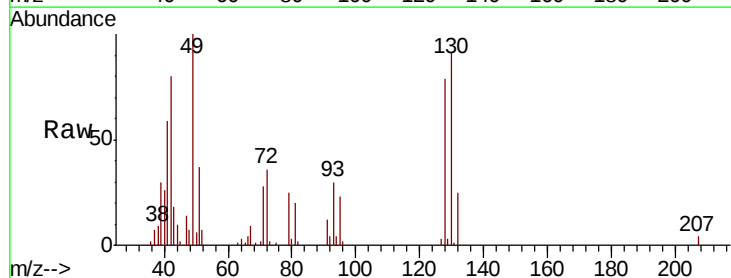
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



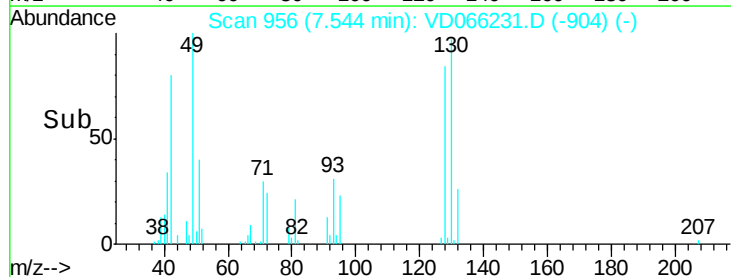
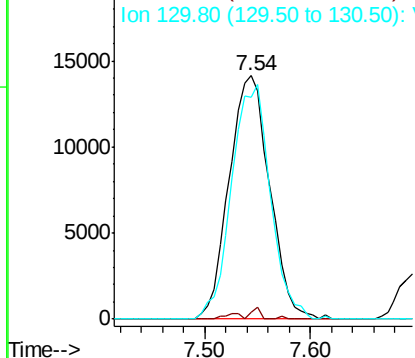
#28

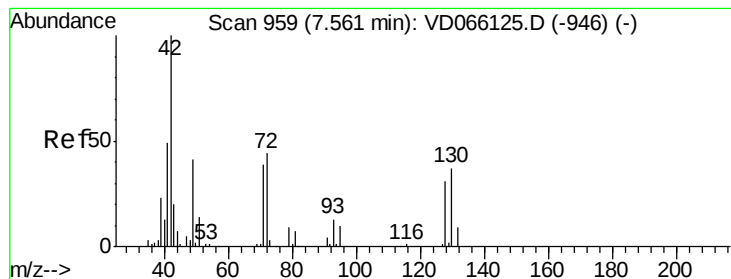
Bromochloromethane
 Concen: 20.504 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion: 49 Resp: 37585
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 6.0
 130 92.3 73.8 110.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 87.036 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

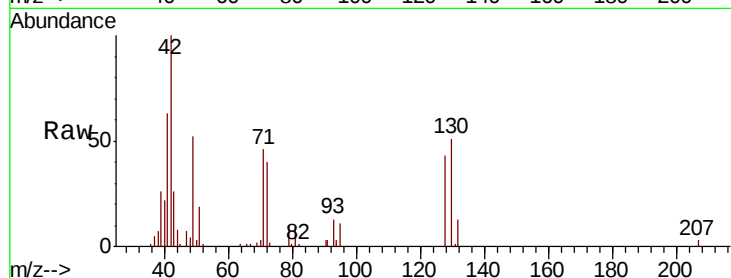
Tot Ion: 42 Resp: 42676

Ion Ratio Lower Upper

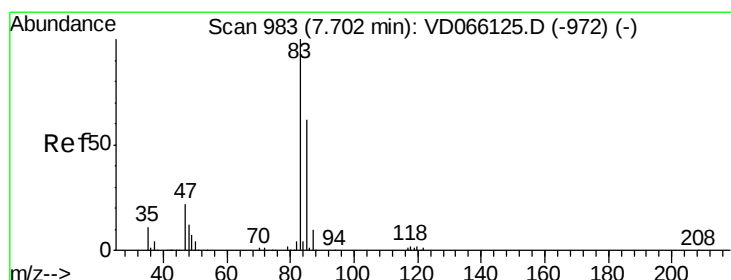
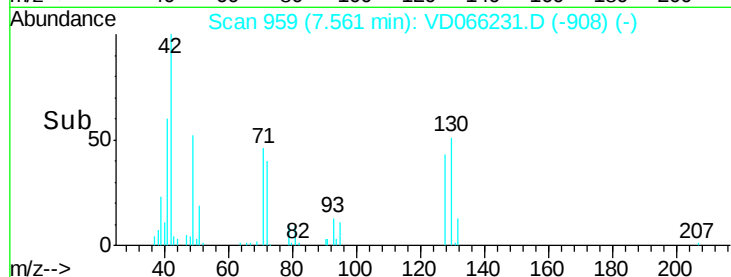
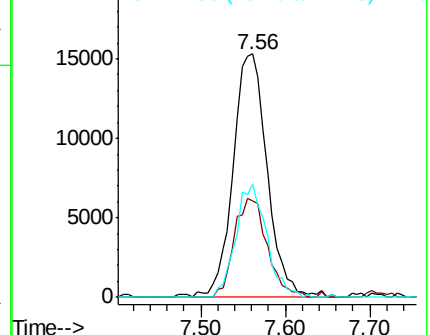
42 100

72 39.1 34.8 52.2

71 42.0 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.754 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066231.D

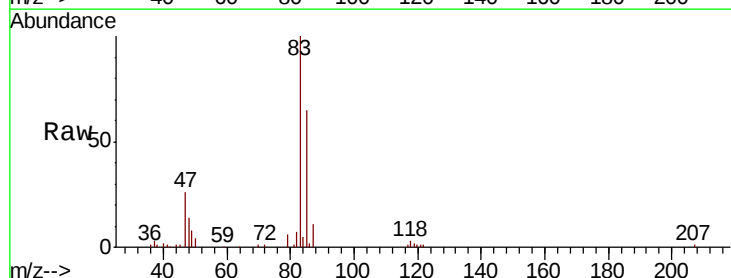
Acq: 14 Aug 2020 12:43

Tgt Ion: 83 Resp: 102780

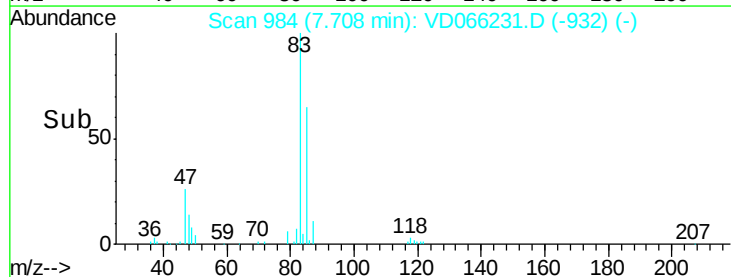
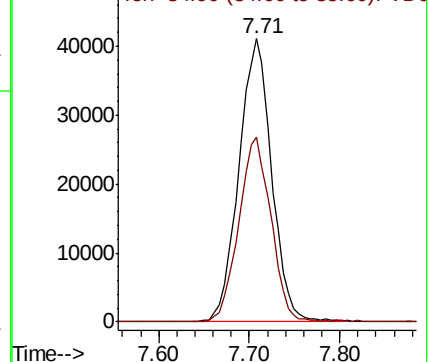
Ion Ratio Lower Upper

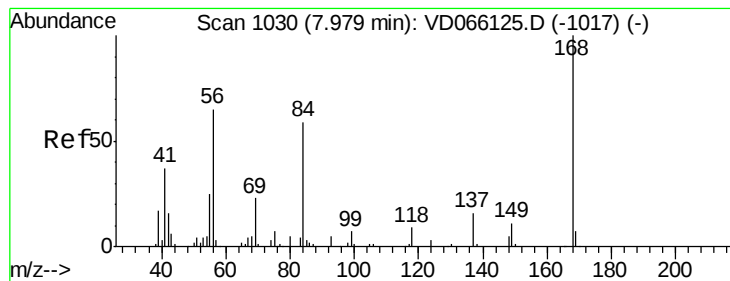
83 100

85 65.2 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 18.511 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

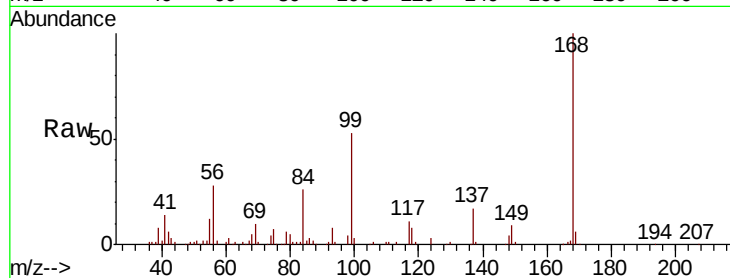
Tot Ion: 56 Resp: 91966

Ion Ratio Lower Upper

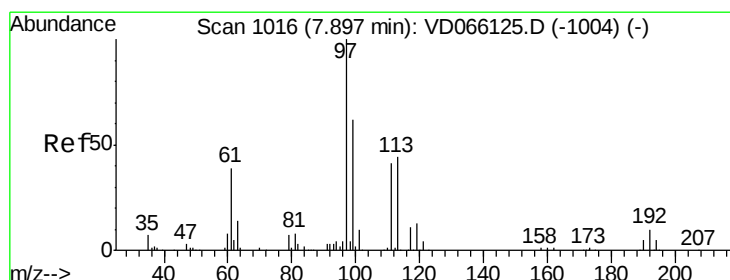
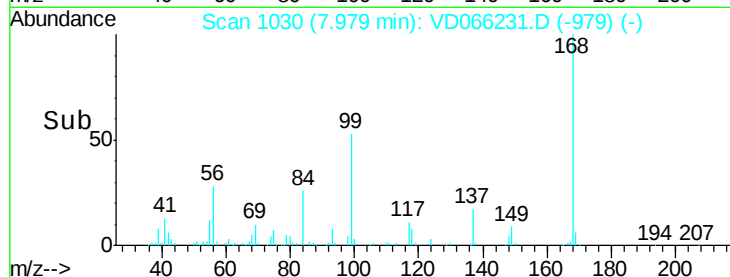
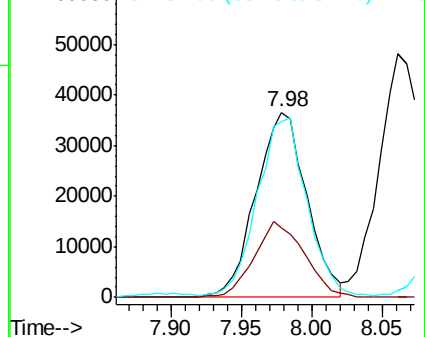
56 100

69 37.5 28.8 43.2

84 93.6 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 18.928 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

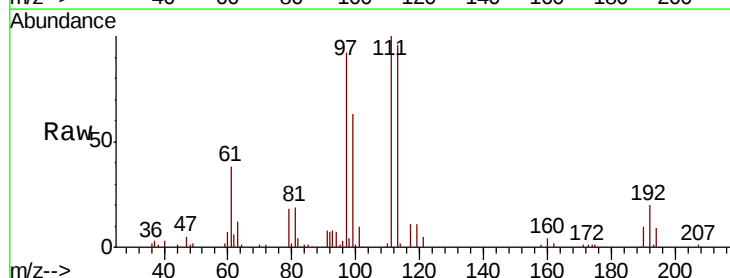
Tgt Ion: 97 Resp: 97260

Ion Ratio Lower Upper

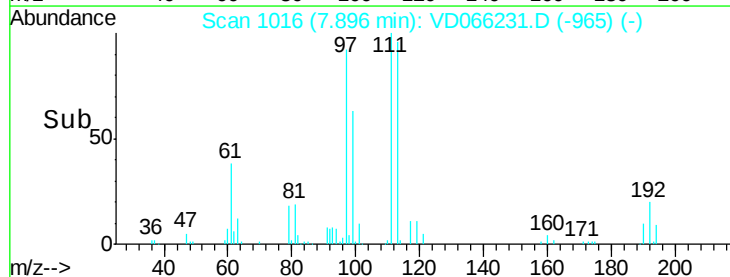
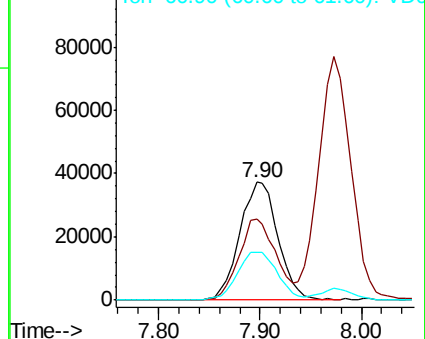
97 100

99 66.2 51.1 76.7

61 42.8 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.320 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

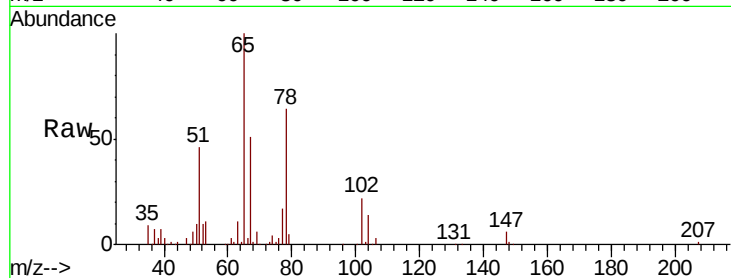
VD0814SBSD01

Tot Ion: 65 Resp: 142697

Ion Ratio Lower Upper

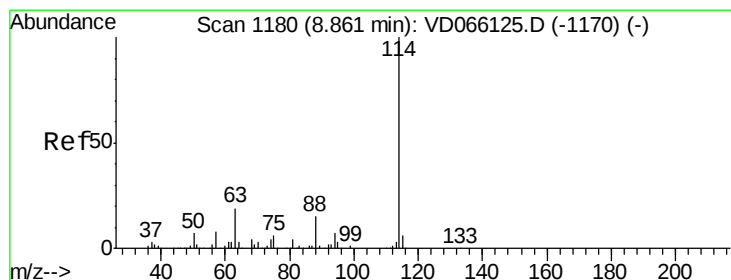
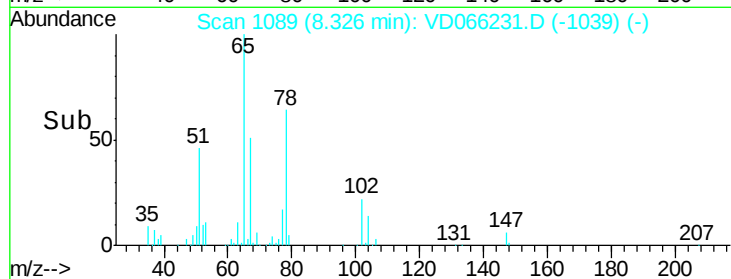
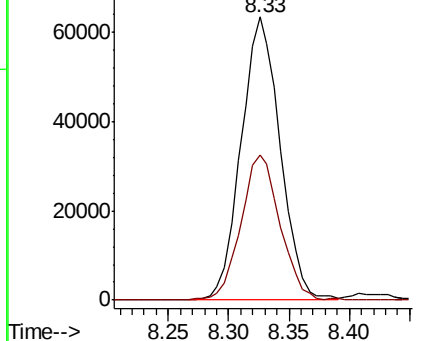
65 100

67 51.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

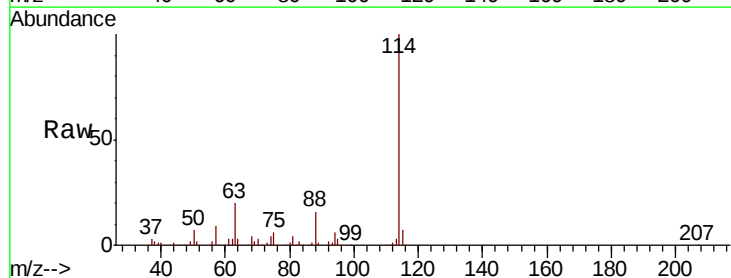
Tgt Ion: 114 Resp: 454537

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

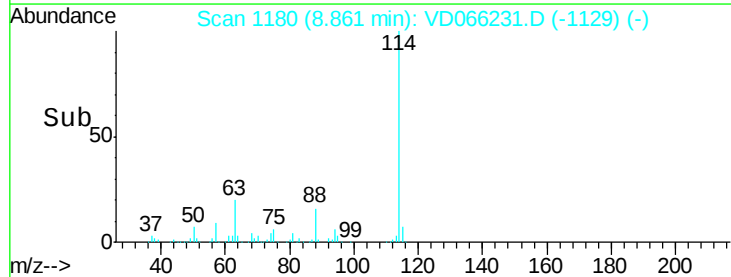
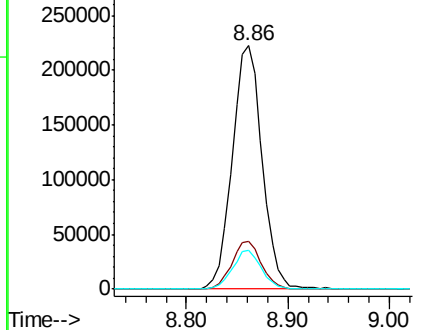
88 16.1 0.0 30.0

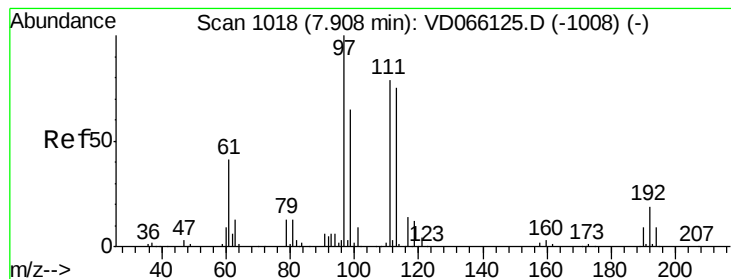


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.866 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

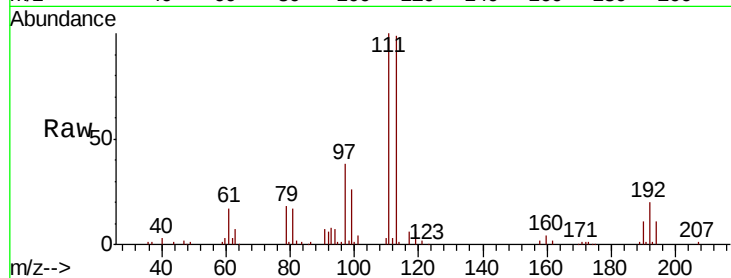
Tot Ion:113 Resp: 146466

Ion Ratio Lower Upper

113 100

111 103.7 80.7 121.1

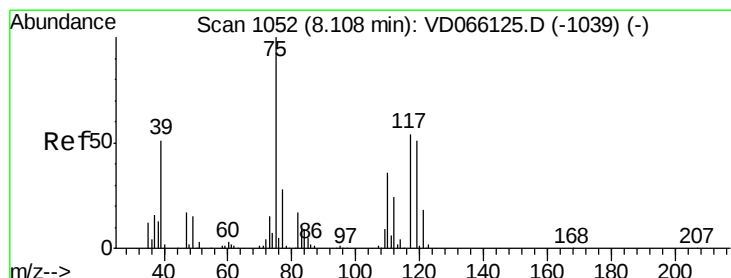
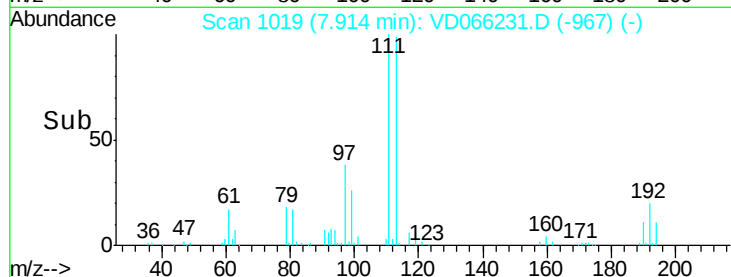
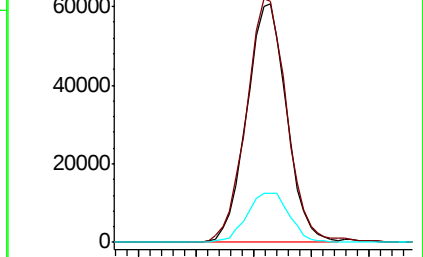
192 22.1 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.432 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

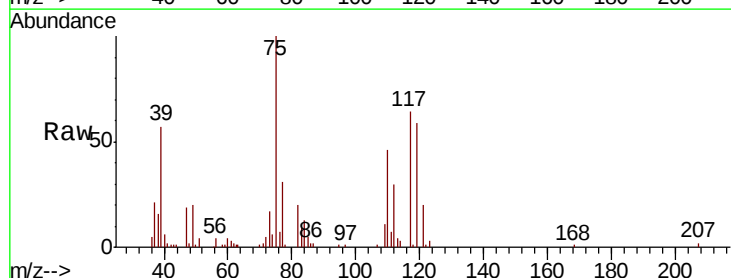
Tgt Ion: 75 Resp: 78728

Ion Ratio Lower Upper

75 100

110 39.0 18.8 56.3

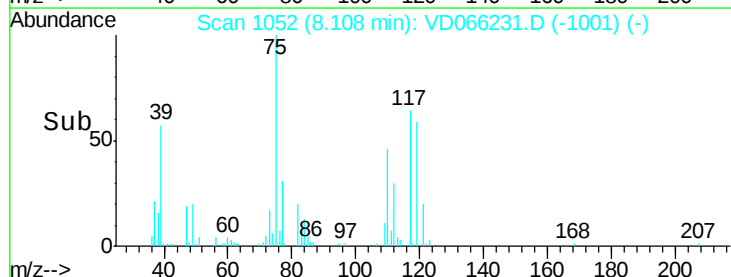
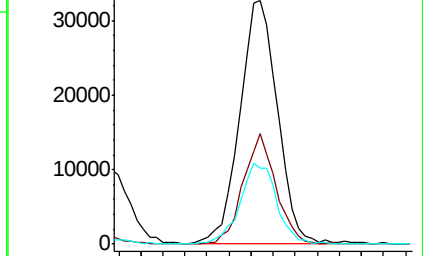
77 32.0 24.2 36.2

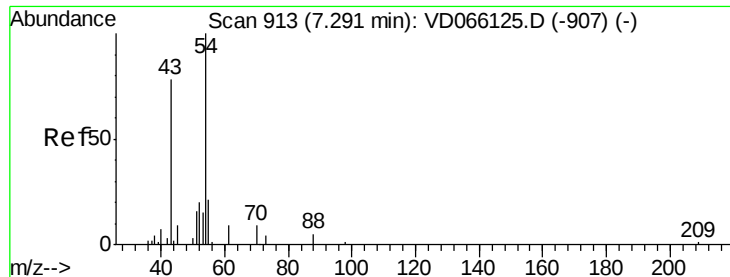


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 16.798 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleID :

VD0814SBS01

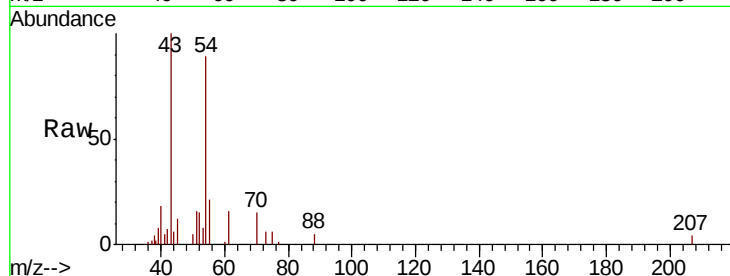
Tot Ion: 43 Resp: 28428

Ion Ratio Lower Upper

43 100

61 16.0 12.0 18.0

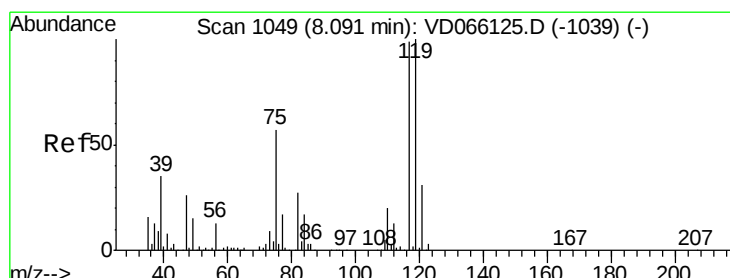
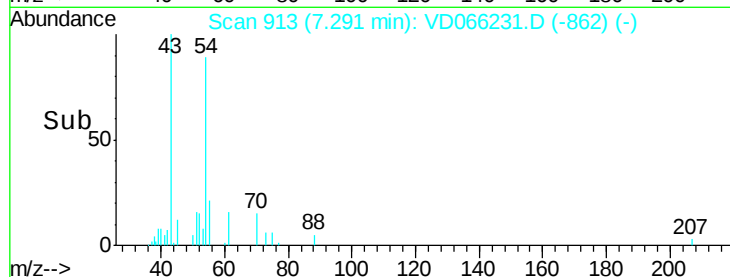
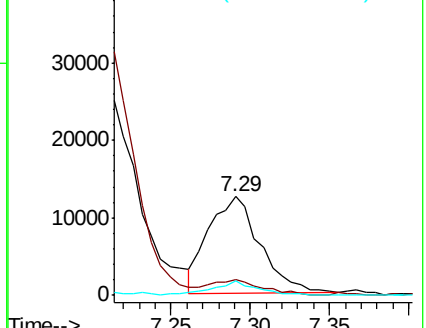
70 13.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 19.603 ug/l

RT: 8.09 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

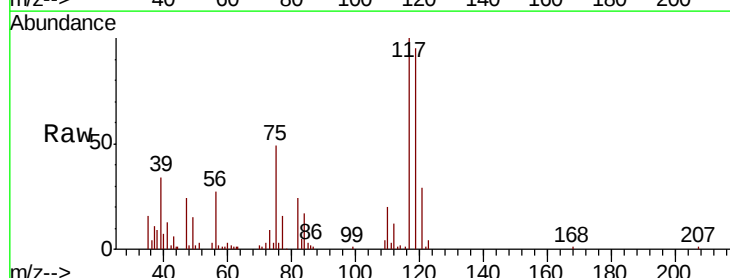
Tgt Ion: 117 Resp: 93372

Ion Ratio Lower Upper

117 100

119 94.8 81.0 121.4

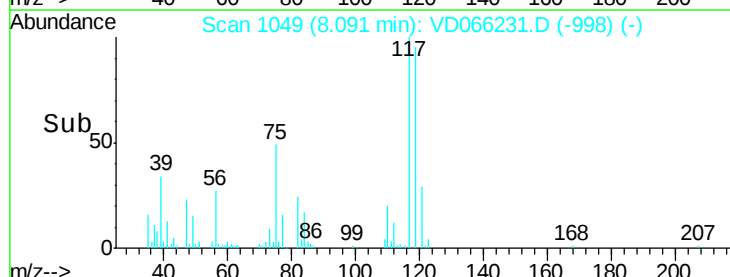
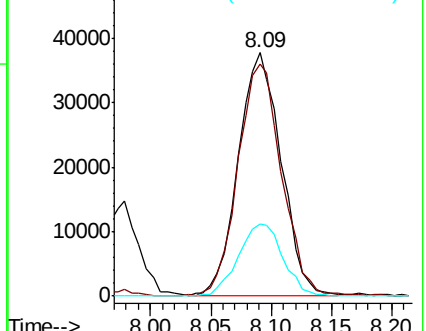
121 29.5 24.8 37.2

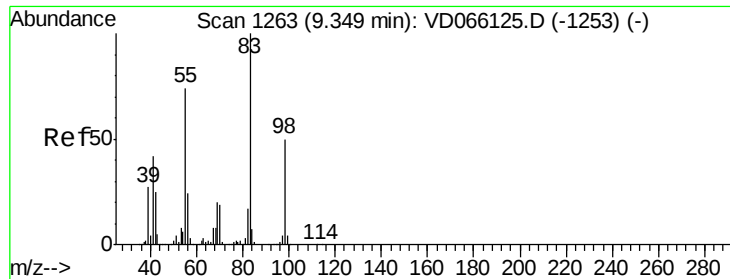


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

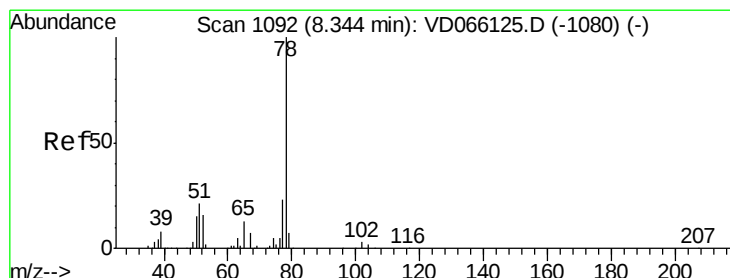
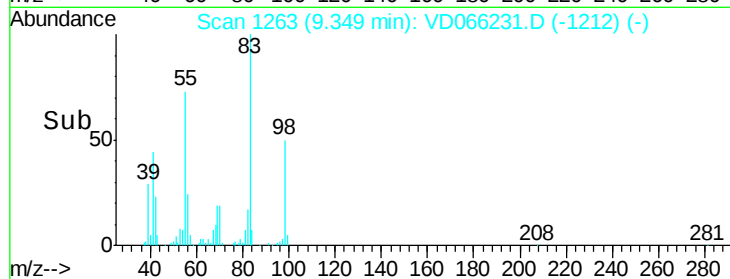
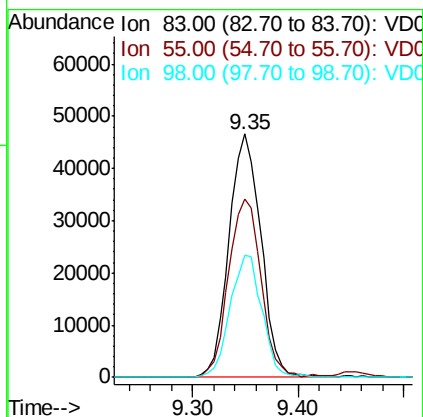
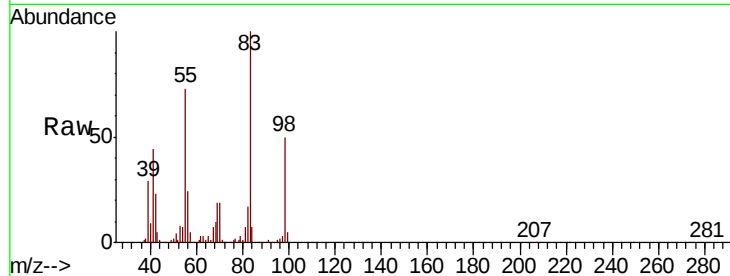




#39
Methvlcvclohexane
Concen: 18.961 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

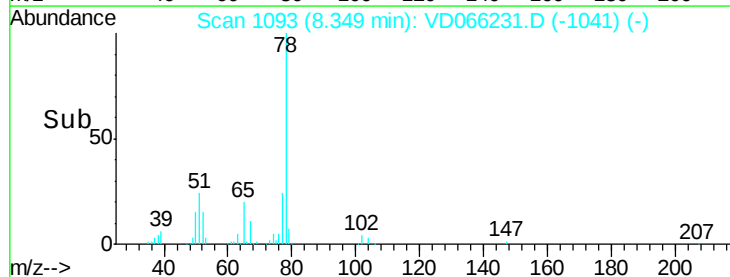
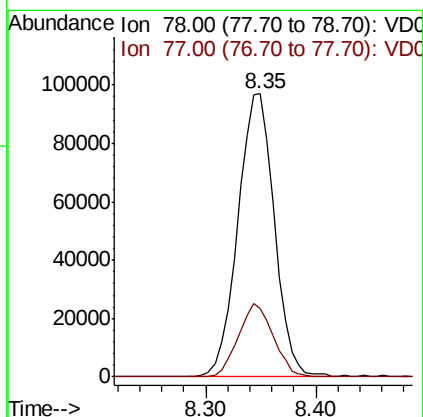
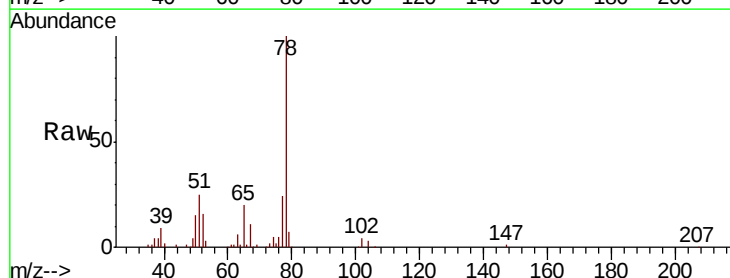
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

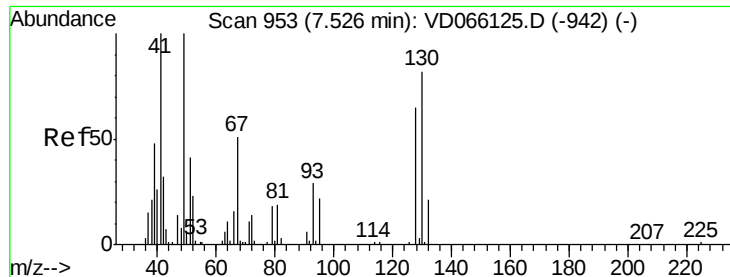
Tot Ion: 83 Resp: 97901
Ion Ratio Lower Upper
83 100
55 73.2 59.2 88.8
98 50.1 39.8 59.6



#40
Benzene
Concen: 18.946 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 78 Resp: 224484
Ion Ratio Lower Upper
78 100
77 24.2 18.6 27.8

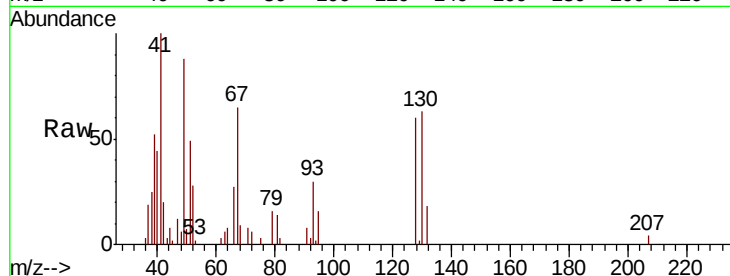




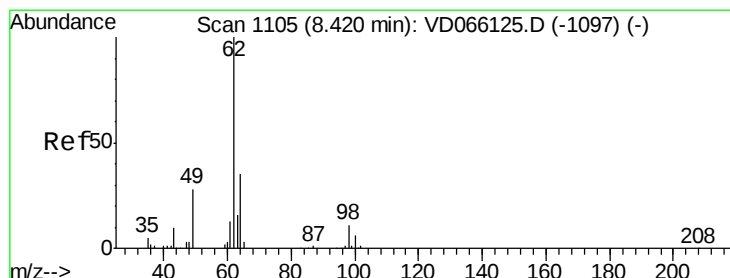
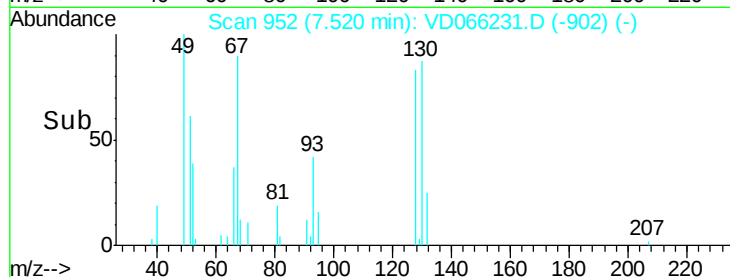
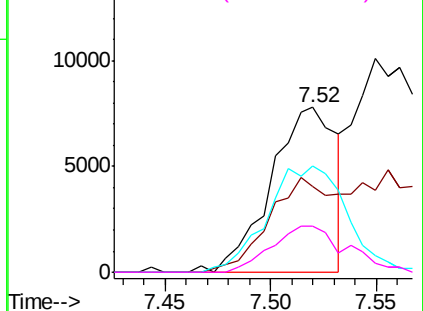
#41
Methacrylonitrile
Concen: 16.855 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion:	41	Resp:	16771
Ion	Ratio	Lower	Upper
41	100		
39	64.6	47.5	71.3
67	78.4	59.1	88.7
52	31.9	25.4	38.0

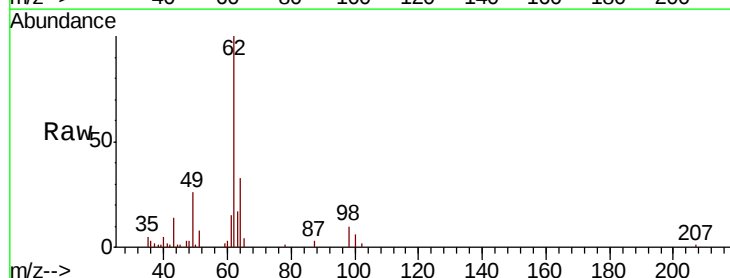


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

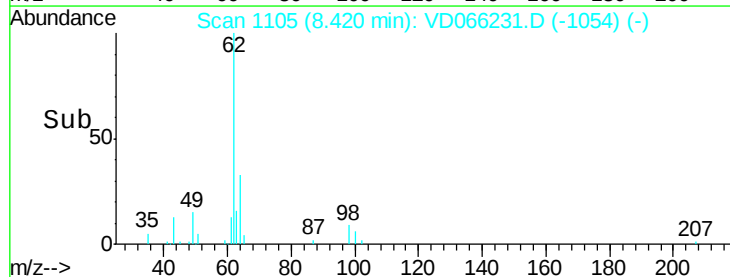
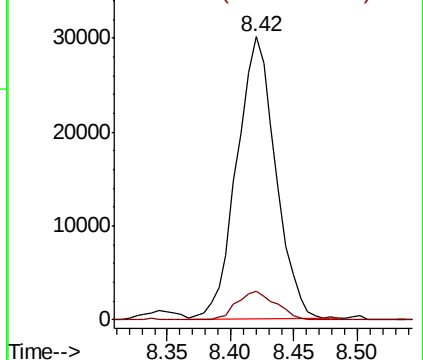


#42
1,2-Dichloroethane
Concen: 18.360 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion:	62	Resp:	63907
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.643 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

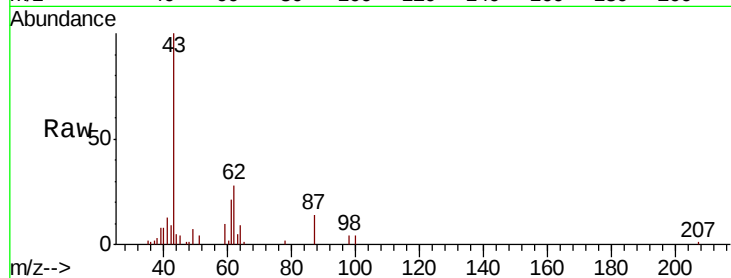
Tot Ion: 43 Resp: 58830

Ion Ratio Lower Upper

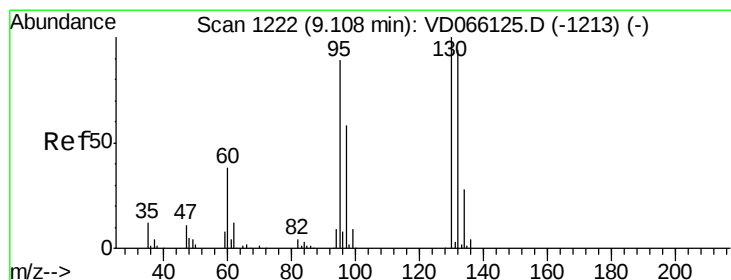
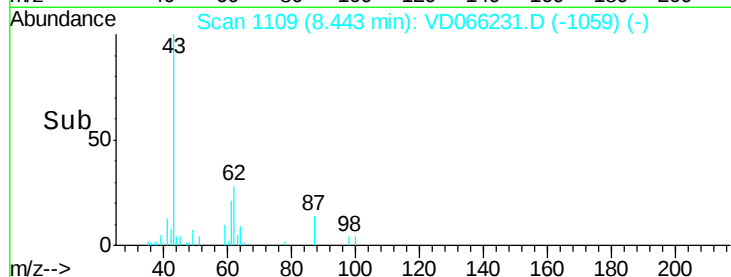
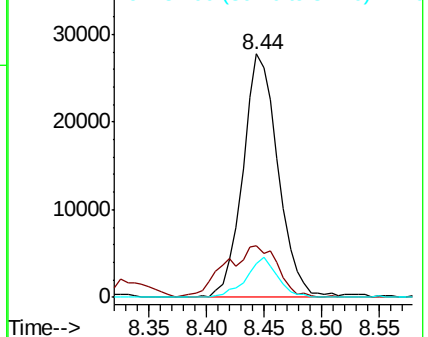
43 100

61 31.7 25.5 38.3

87 14.7 11.2 16.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.618 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066231.D

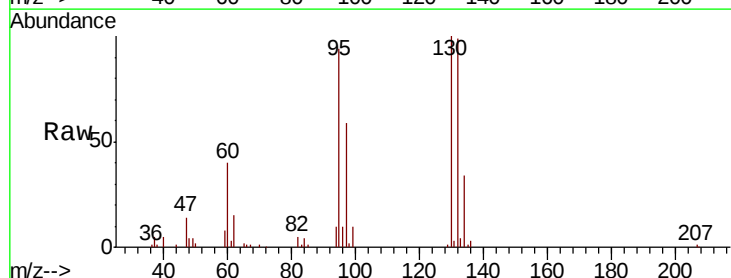
Acq: 14 Aug 2020 12:43

Tgt Ion: 130 Resp: 70044

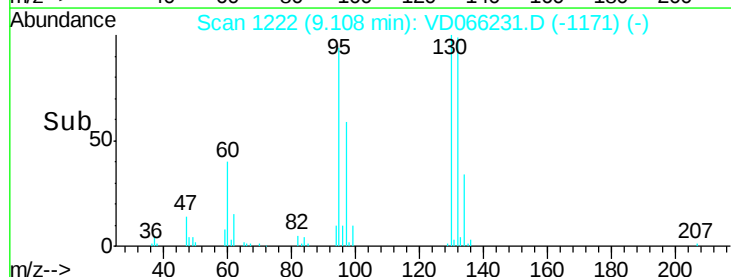
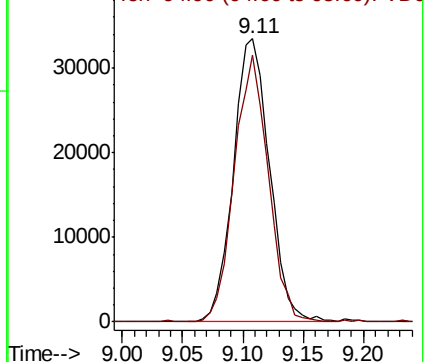
Ion Ratio Lower Upper

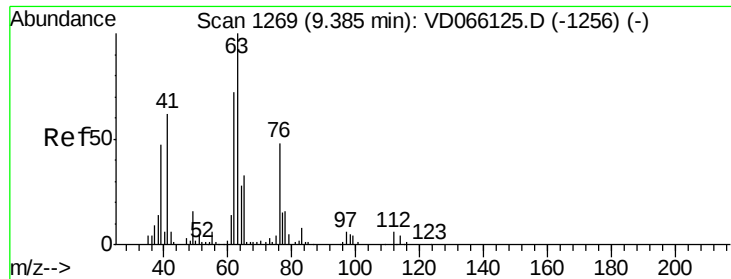
130 100

95 94.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.142 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

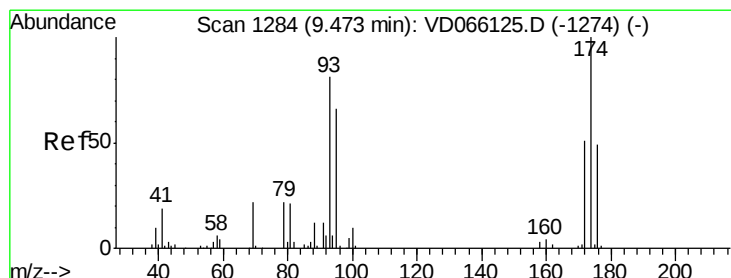
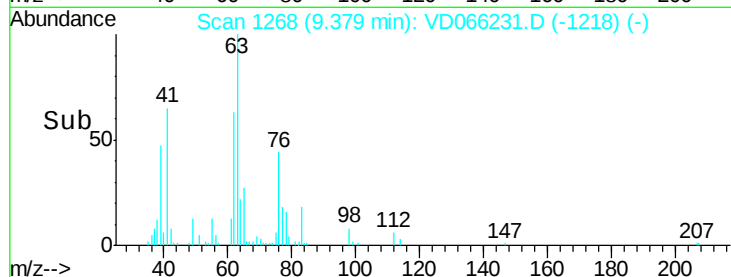
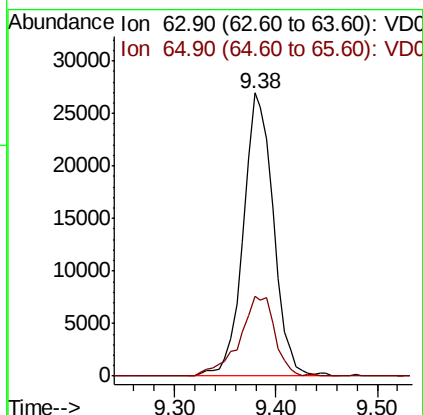
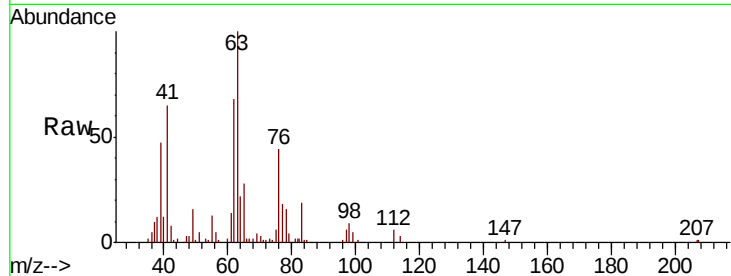
VD0814SBSD01

Tot Ion: 63 Resp: 55472

Ion Ratio Lower Upper

63 100

65 28.2 26.5 39.7



#46

Dibromomethane

Concen: 18.456 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

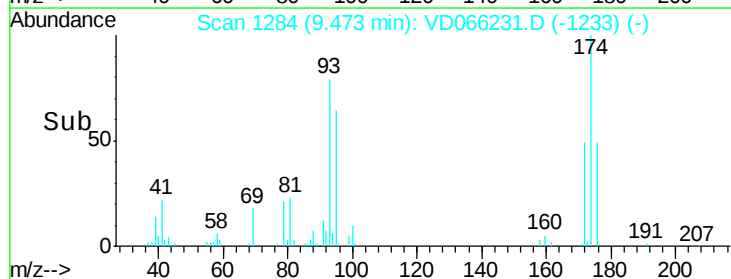
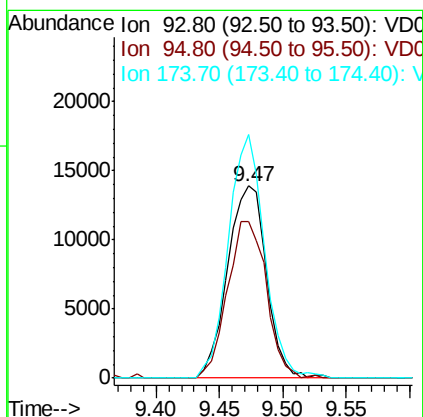
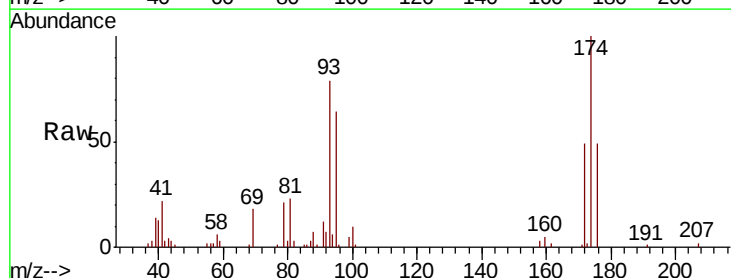
Tgt Ion: 93 Resp: 29461

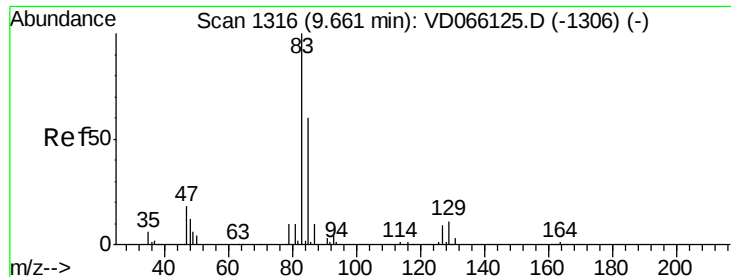
Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.6

174 118.0 92.8 139.2





#47

Bromodichloromethane

Concen: 18.364 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

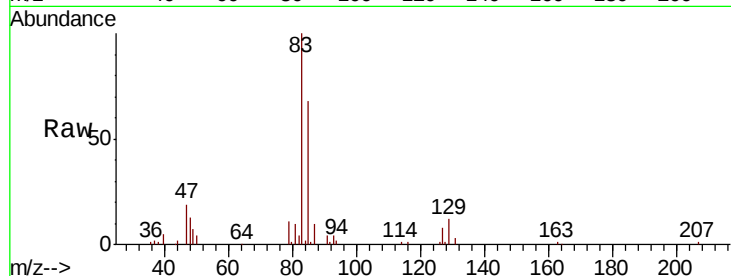
Tot Ion: 83 Resp: 77476

Ion Ratio Lower Upper

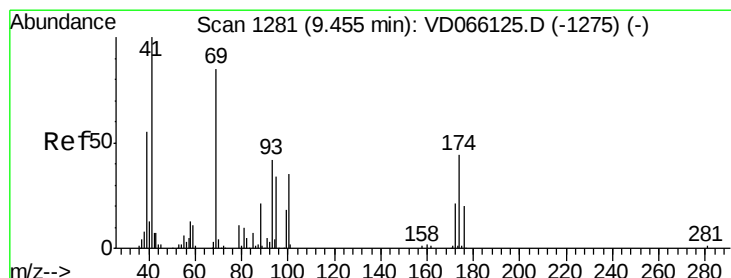
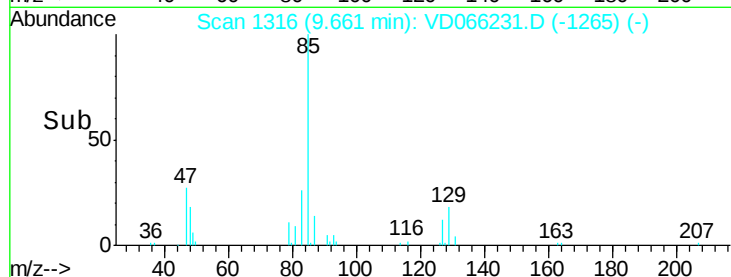
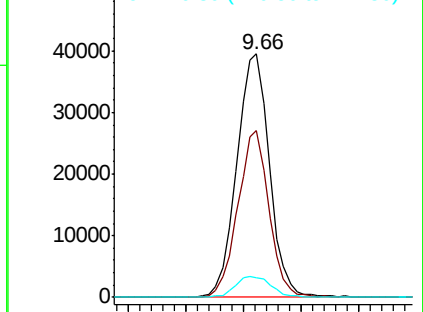
83 100

85 68.4 48.2 72.4

127 8.3 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 18.392 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

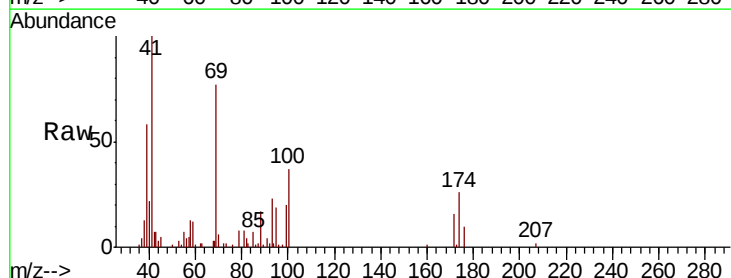
Tgt Ion: 41 Resp: 31315

Ion Ratio Lower Upper

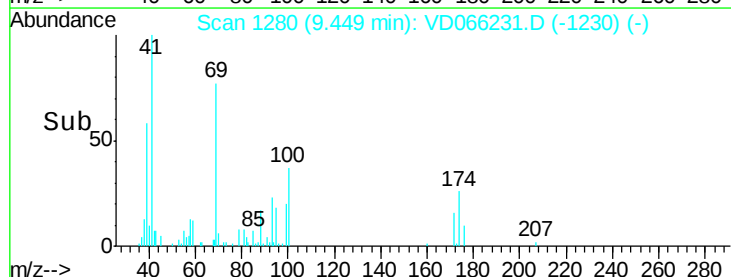
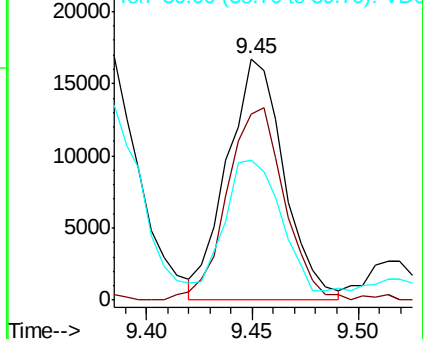
41 100

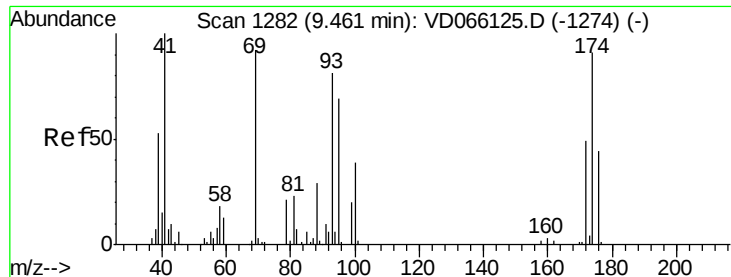
69 80.0 63.9 95.9

39 52.4 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

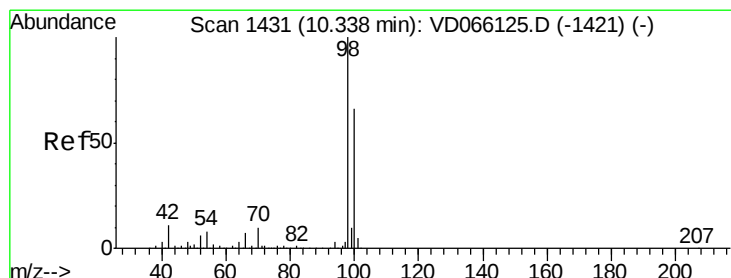
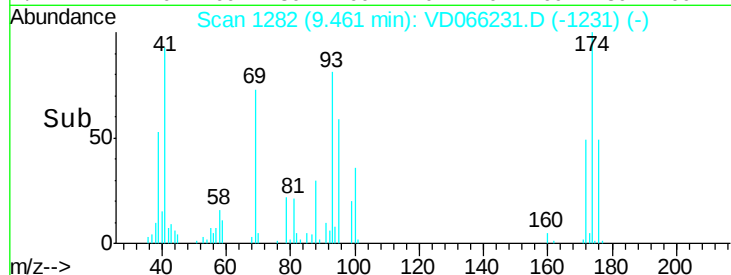
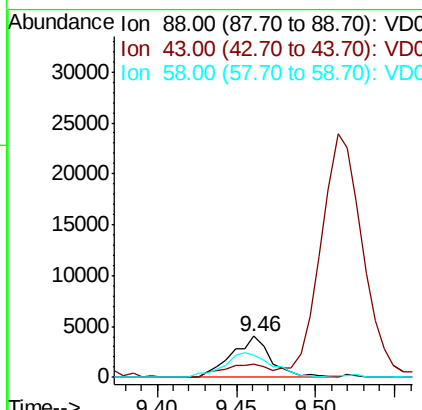
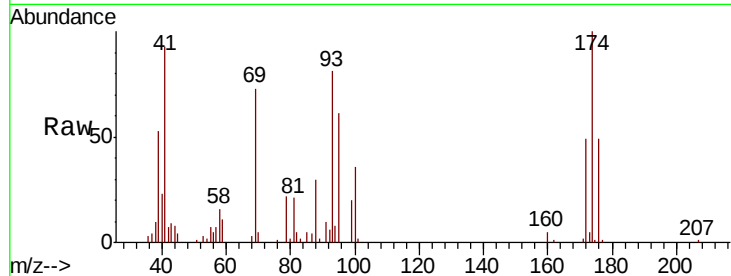




#49
 1,4-Dioxane
 Concen: 336.654 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

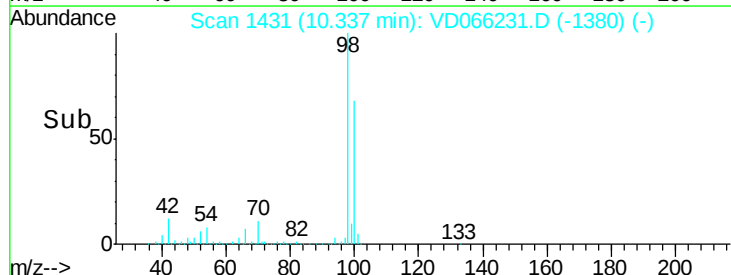
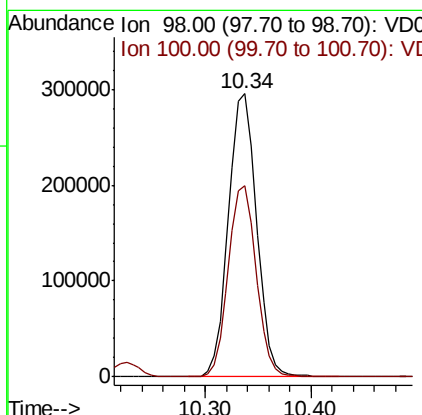
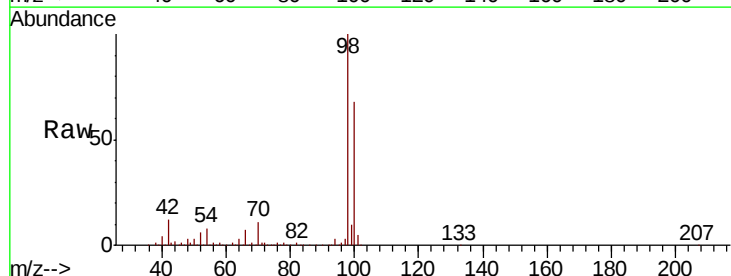
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

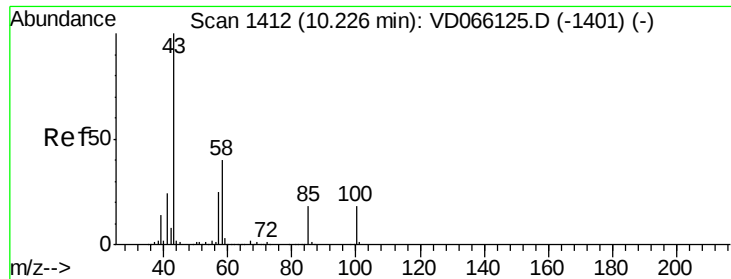
Tot Ion: 88 Resp: 6904
 Ion Ratio Lower Upper
 88 100
 43 37.4 27.5 41.3
 58 73.1 50.2 75.4



#50
 Toluene-d8
 Concen: 51.463 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion: 98 Resp: 546838
 Ion Ratio Lower Upper
 98 100
 100 66.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 88.778 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

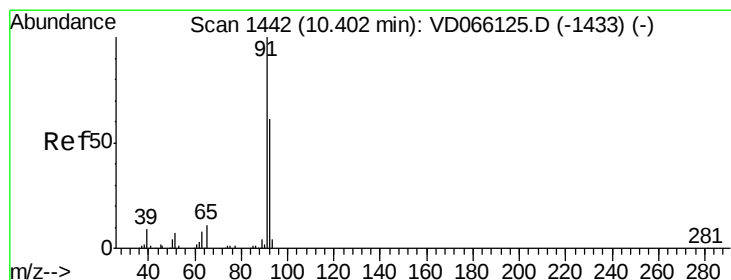
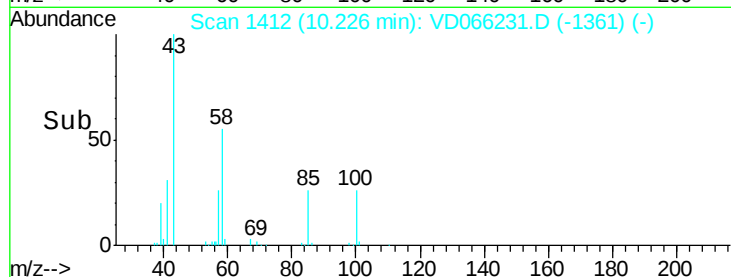
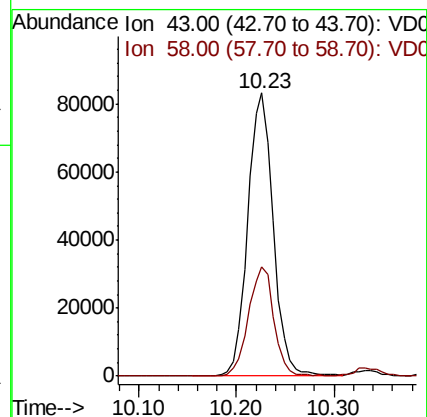
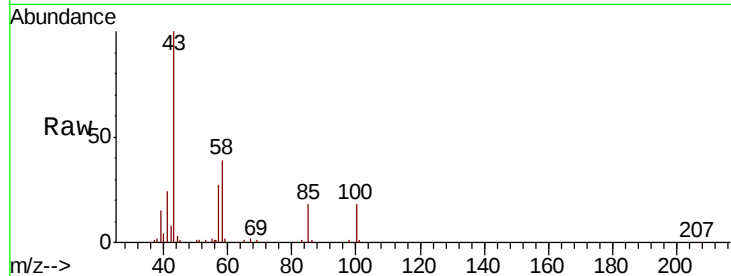
VD0814SBS01

Tot Ion: 43 Resp: 152053

Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7



#52

Toluene

Concen: 19.190 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066231.D

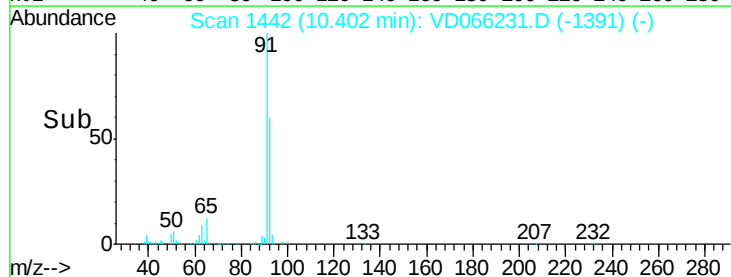
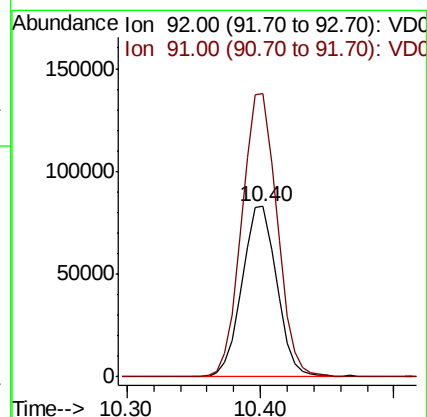
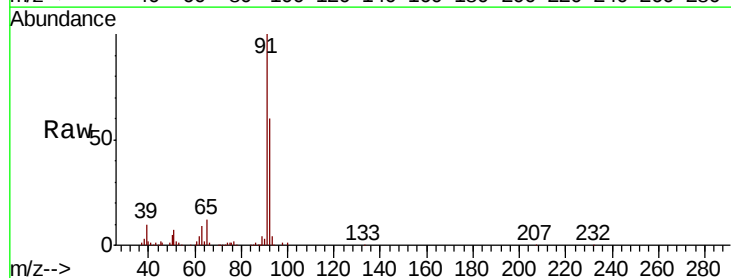
Acq: 14 Aug 2020 12:43

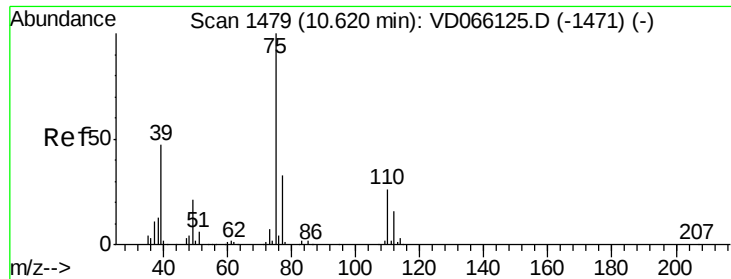
Tgt Ion: 92 Resp: 149617

Ion Ratio Lower Upper

92 100

91 169.2 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 18.721 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

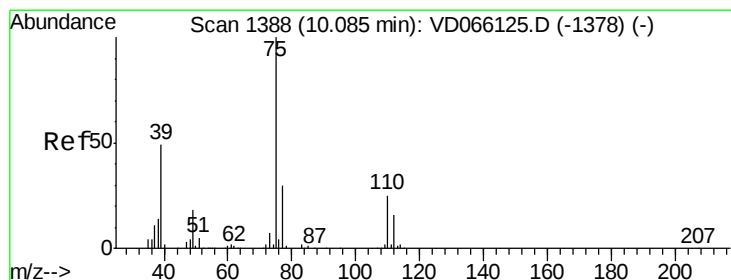
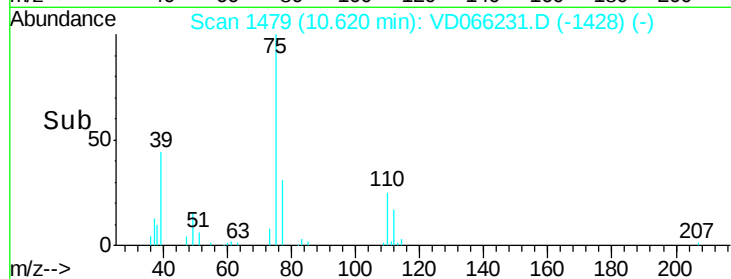
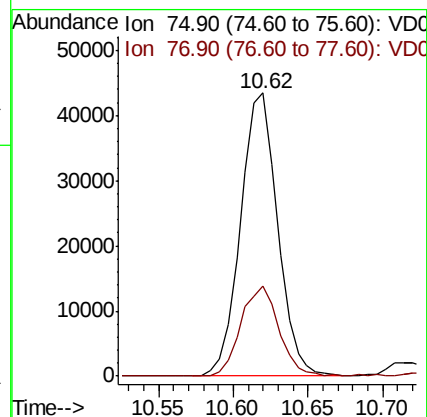
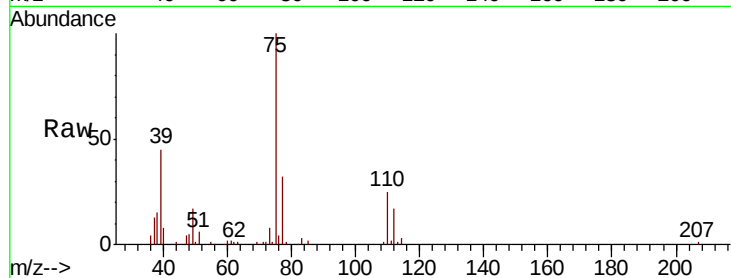
VD0814SBSD01

Tot Ion: 75 Resp: 74955

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 19.066 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

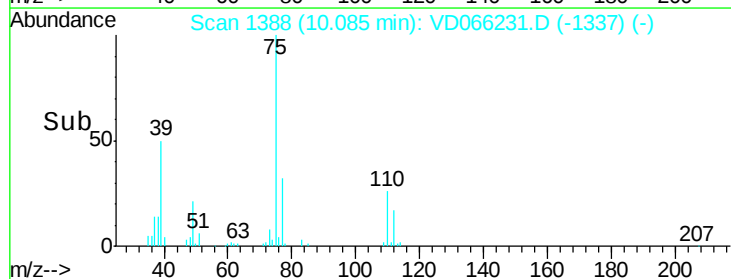
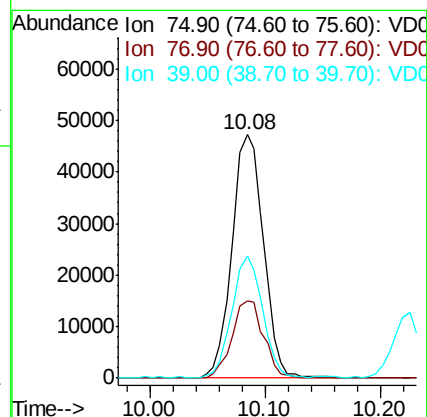
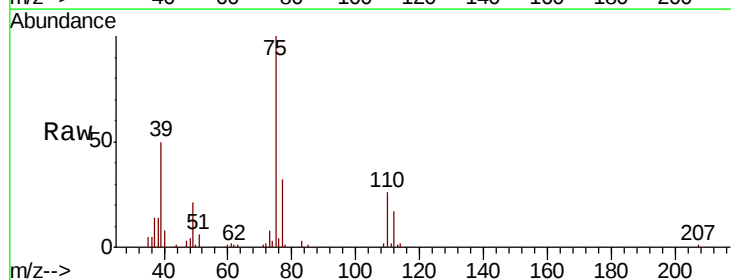
Tgt Ion: 75 Resp: 89438

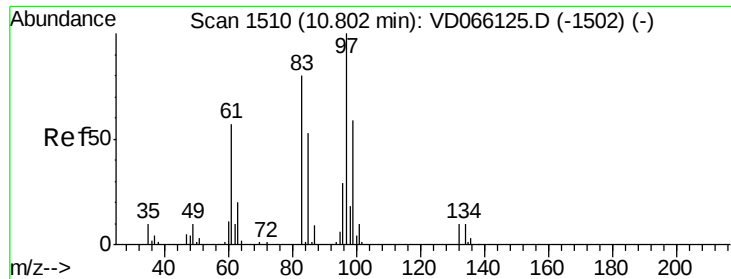
Ion Ratio Lower Upper

75 100

77 31.7 24.3 36.5

39 50.2 39.3 58.9

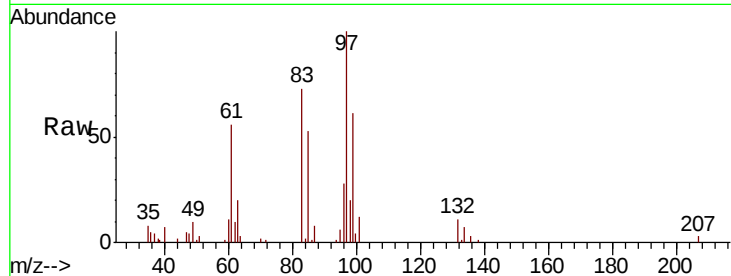




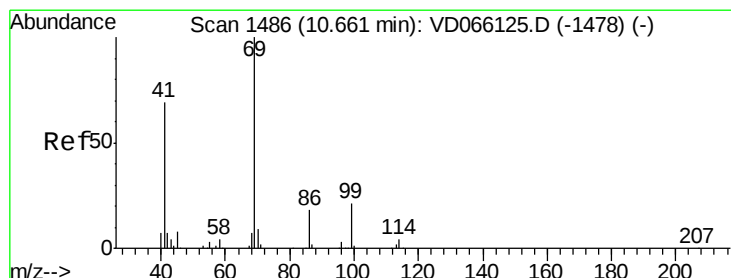
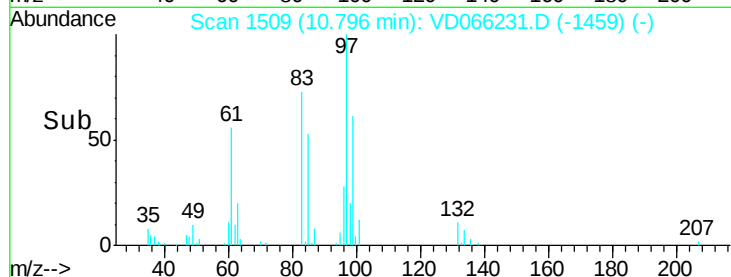
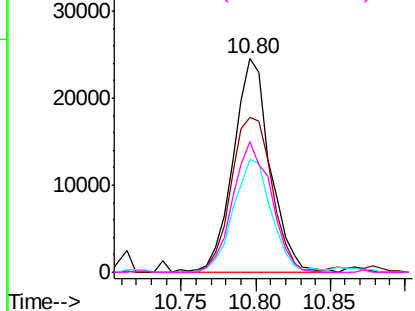
#55
 1,1,2-Trichloroethane
 Concen: 18.406 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:	97	Resp:	42306
Ion	Ratio	Lower	Upper
97	100		
83	72.7	63.9	95.9
85	52.8	42.5	63.7
99	61.1	47.4	71.0

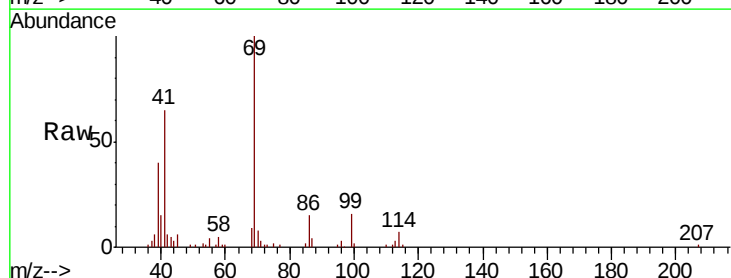


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

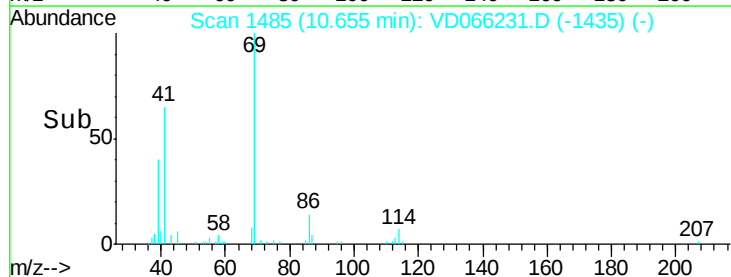
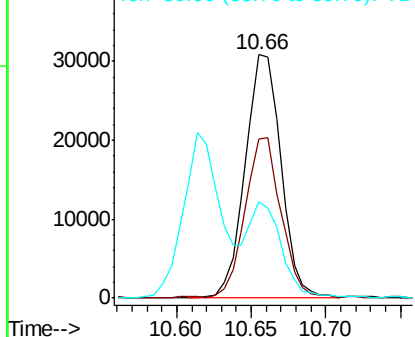


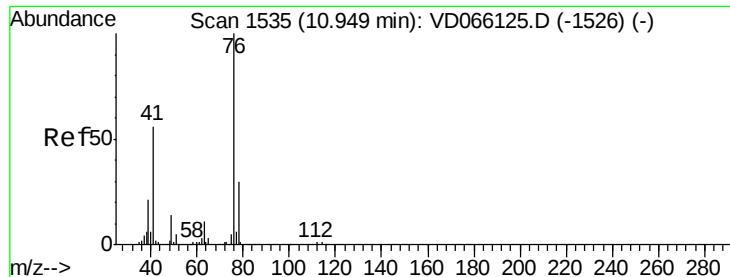
#56
 Ethyl methacrylate
 Concen: 18.539 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion:	69	Resp:	51189
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	36.0	28.6	43.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 18.414 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

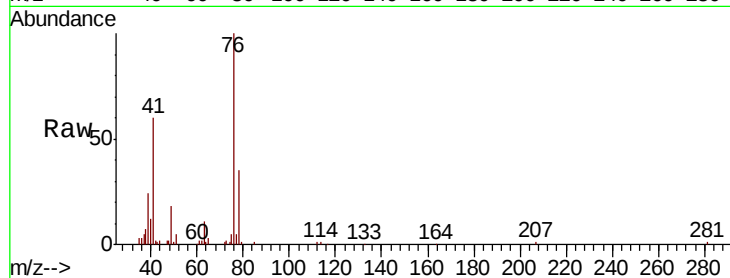
VD0814SBSD01

Tot Ion: 76 Resp: 70267

Ion Ratio Lower Upper

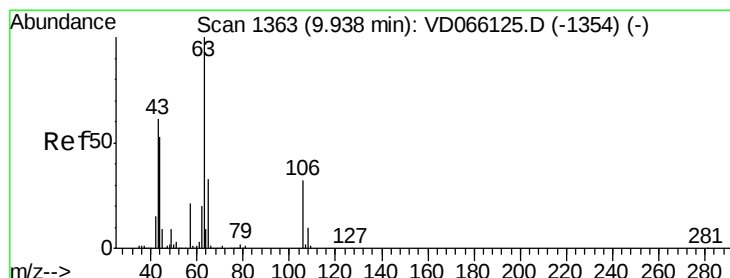
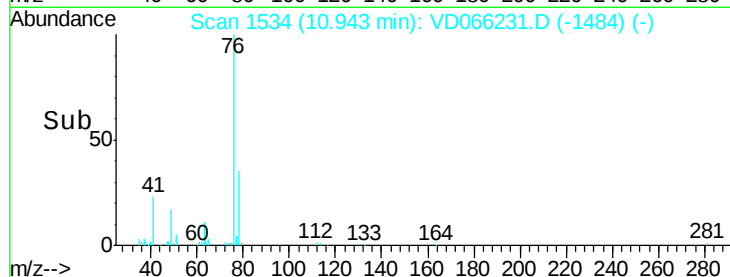
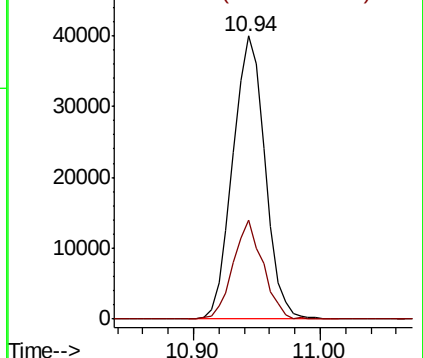
76 100

78 32.4 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.936 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066231.D

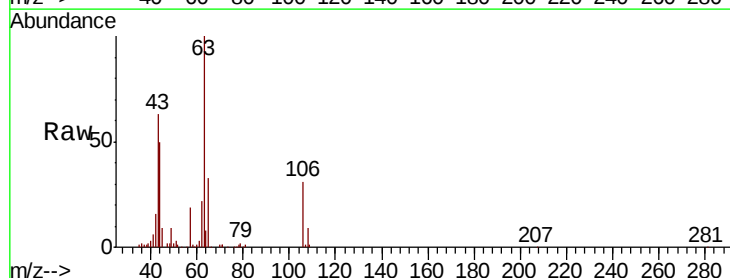
Acq: 14 Aug 2020 12:43

Tgt Ion: 63 Resp: 125364

Ion Ratio Lower Upper

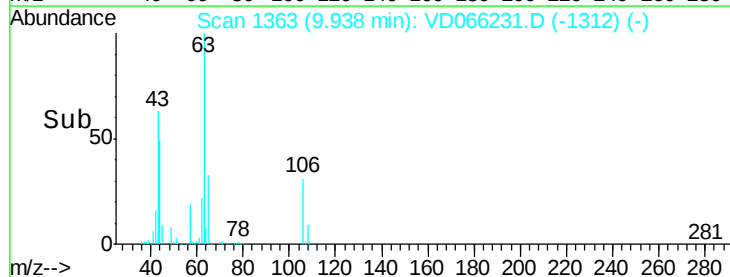
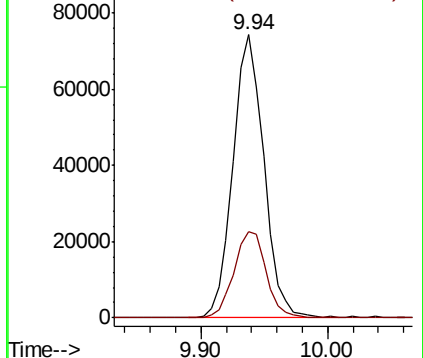
63 100

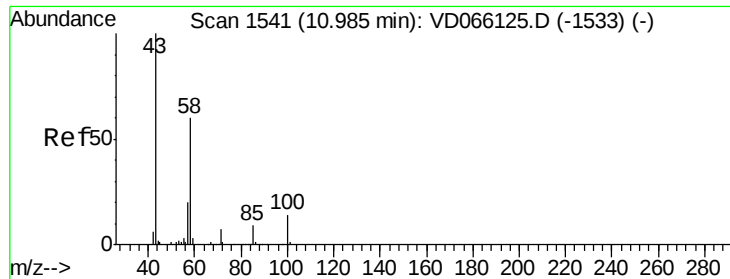
106 31.8 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

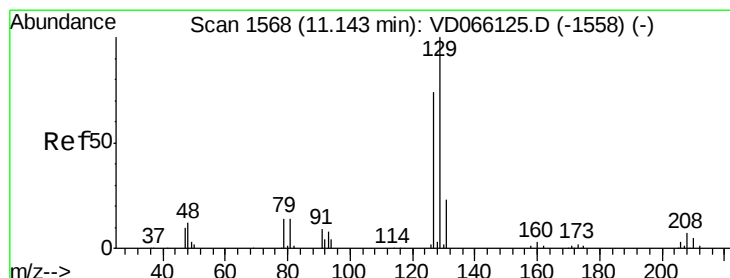
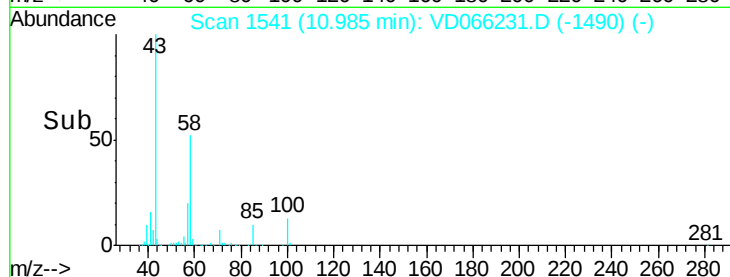
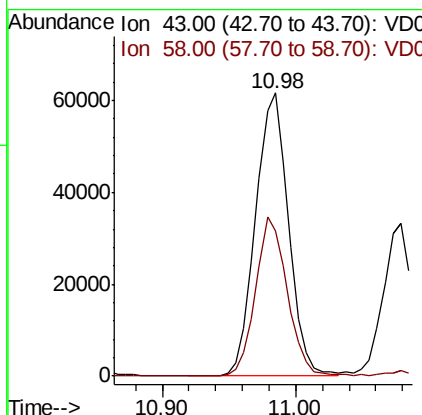
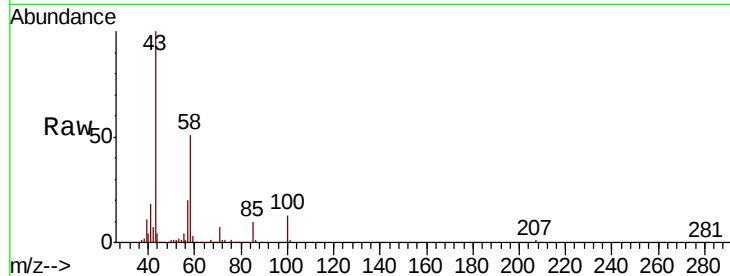




#59
2-Hexanone
Concen: 87.633 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

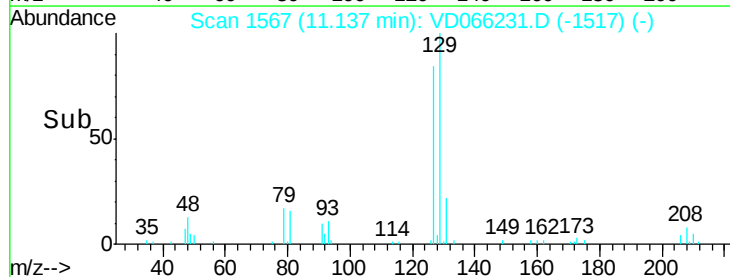
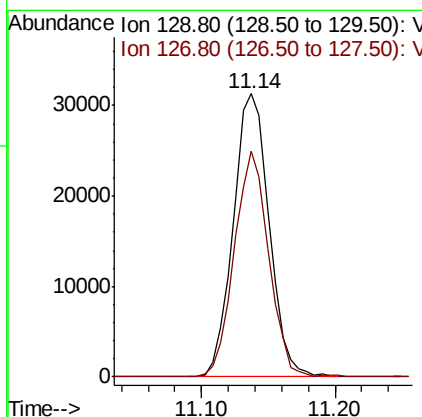
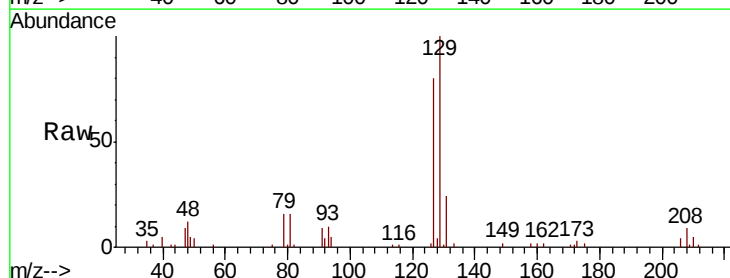
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

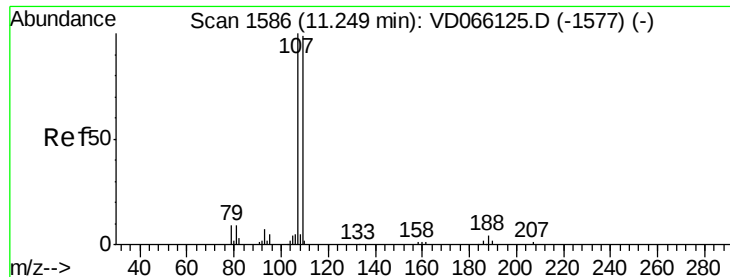
Tot Ion: 43 Resp: 105338
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4



#60
Dibromochloromethane
Concen: 18.356 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 129 Resp: 58250
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1

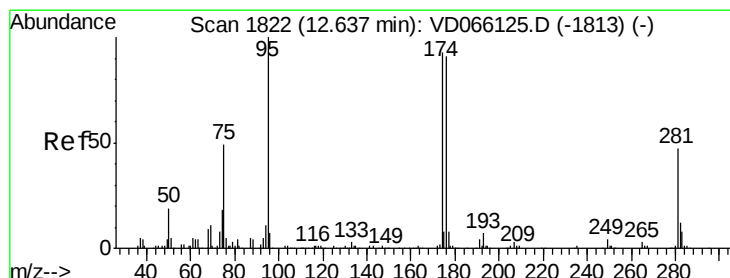
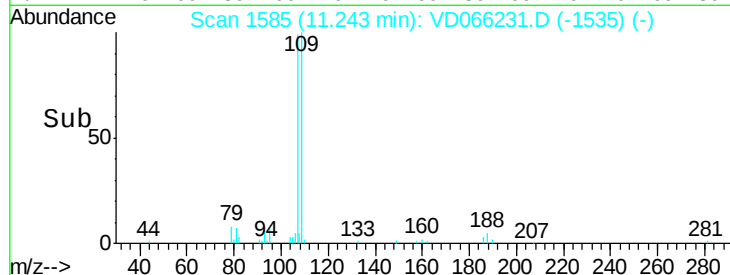
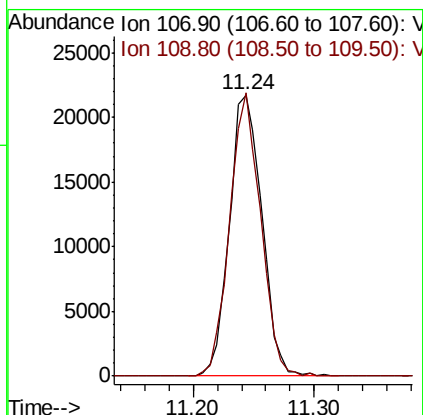
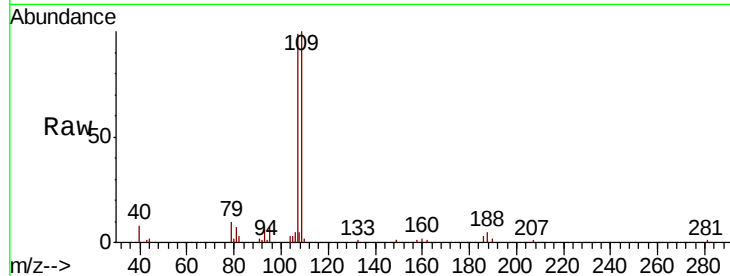




#61
 1,2-Dibromoethane
 Concen: 18.423 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

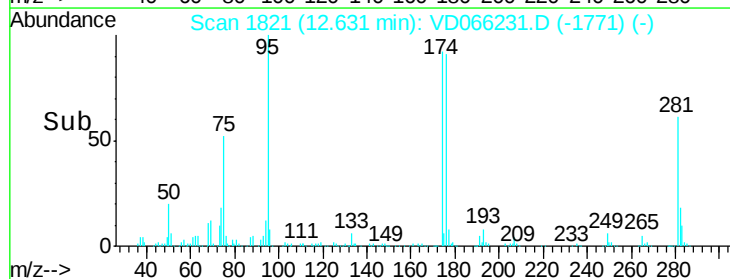
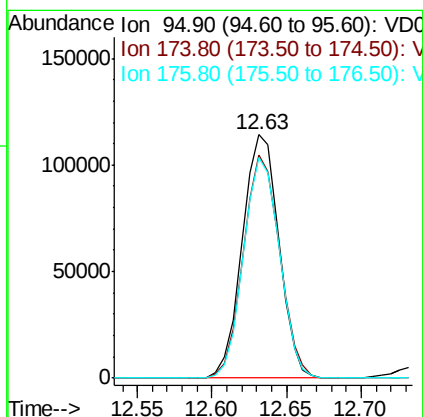
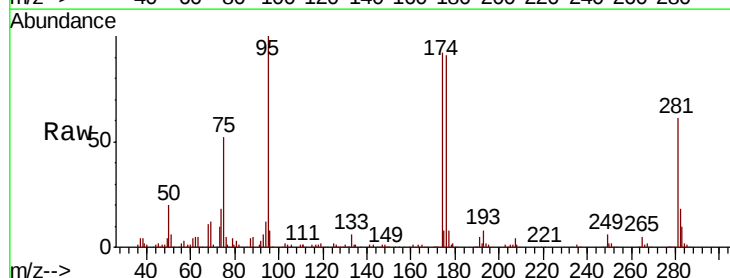
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion: 107 Resp: 40723
 Ion Ratio Lower Upper
 107 100
 109 96.1 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 50.625 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion: 95 Resp: 193903
 Ion Ratio Lower Upper
 95 100
 174 90.9 0.0 180.8
 176 89.2 0.0 181.2

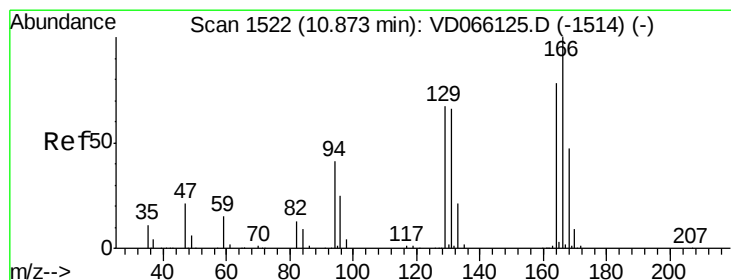
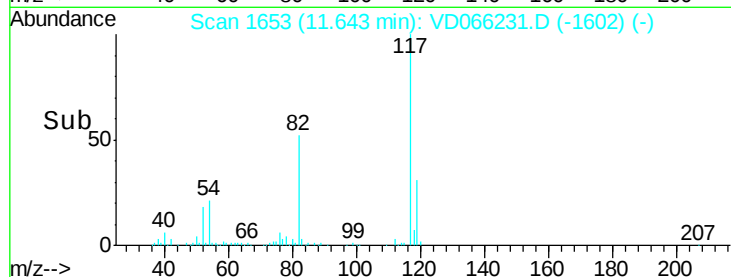
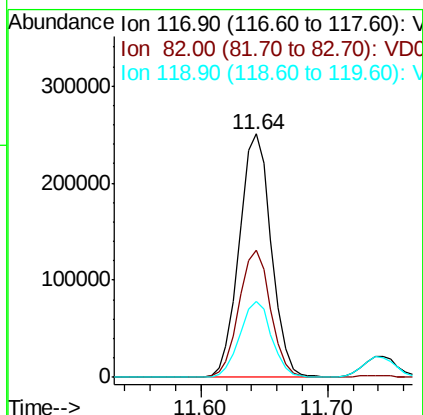
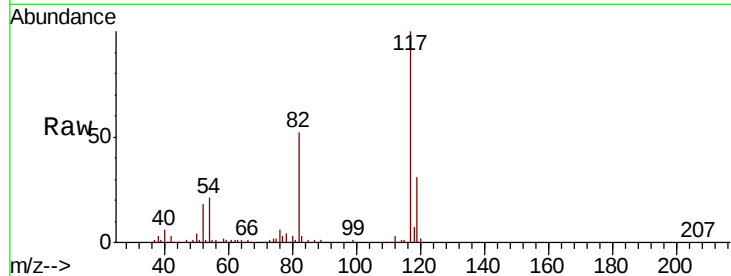




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

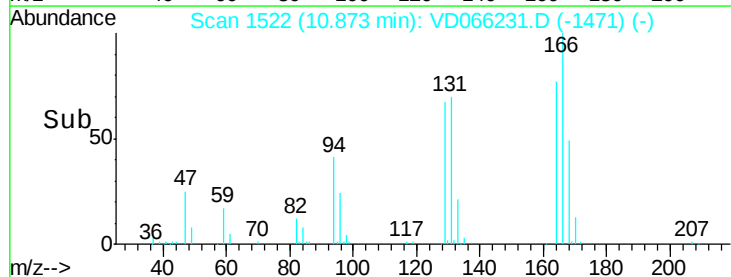
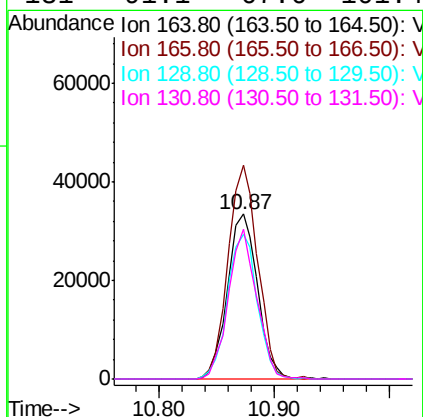
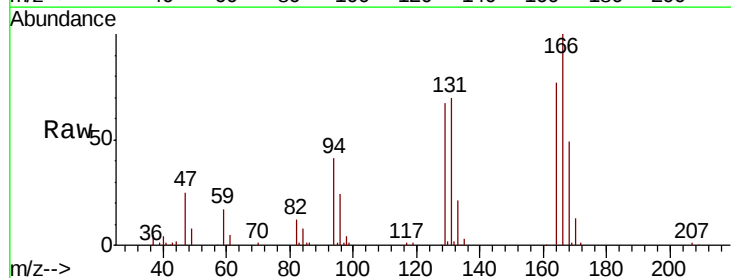
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

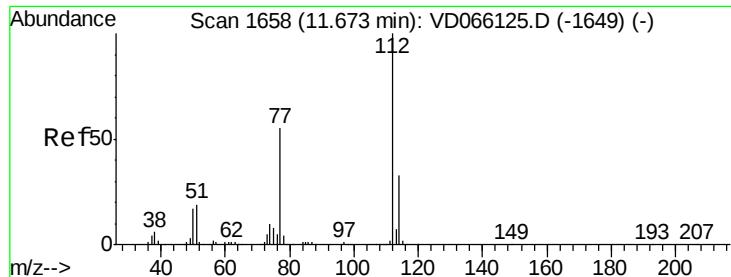
Tot Ion:117 Resp: 438124
Ion Ratio Lower Upper
117 100
82 52.4 43.0 64.4
119 31.1 26.1 39.1



#64
Tetrachloroethene
Concen: 18.030 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion:164 Resp: 60657
Ion Ratio Lower Upper
164 100
166 129.7 101.9 152.9
129 87.5 68.1 102.1
131 91.1 67.6 101.4





#65

Chlorobenzene

Concen: 18.352 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

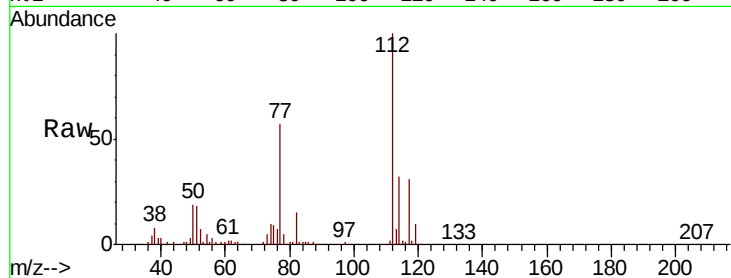
VD0814SBSD01

Tot Ion:112 Resp: 163222

Ion Ratio Lower Upper

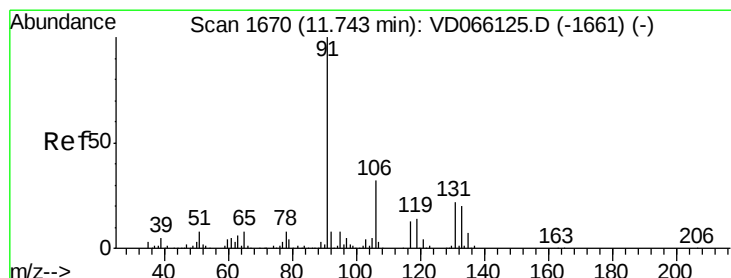
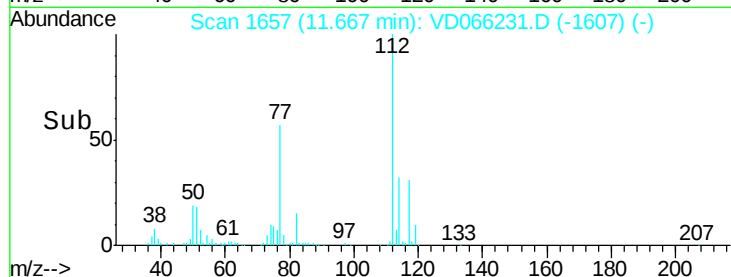
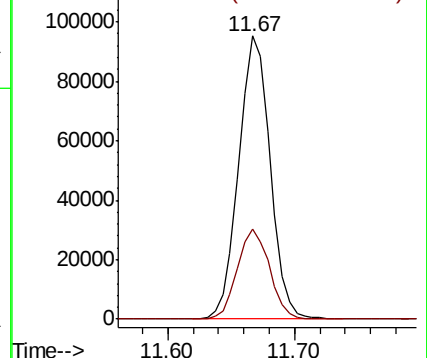
112 100

114 31.9 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.909 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

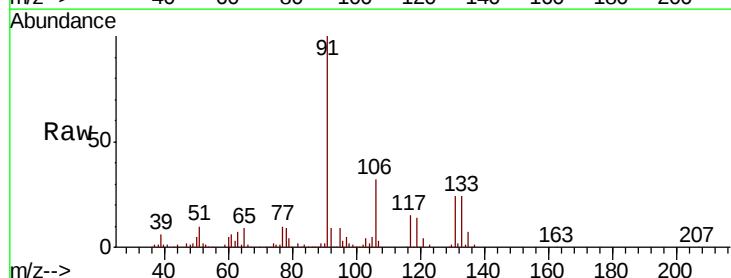
Tgt Ion:131 Resp: 62324

Ion Ratio Lower Upper

131 100

133 96.8 47.1 141.4

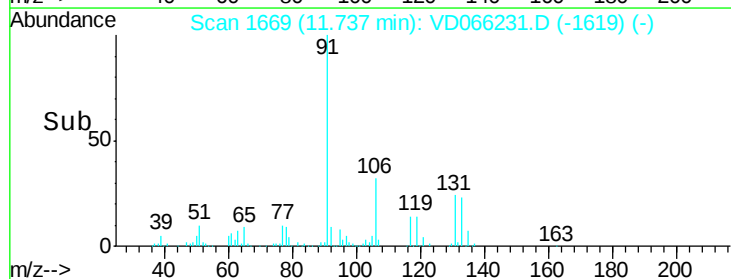
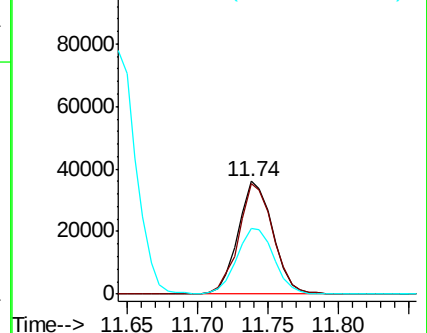
119 62.1 31.6 94.7

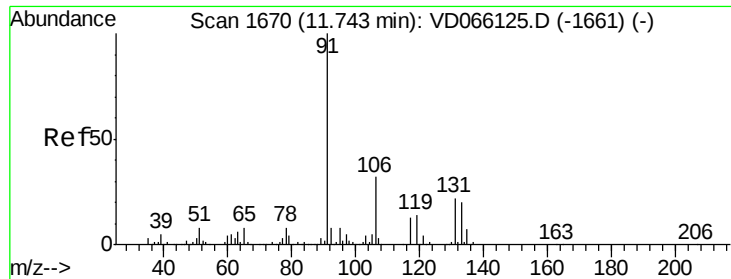


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

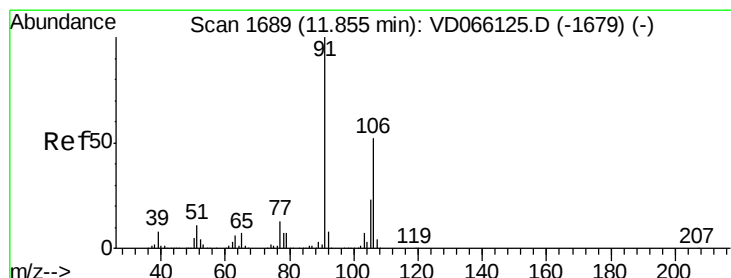
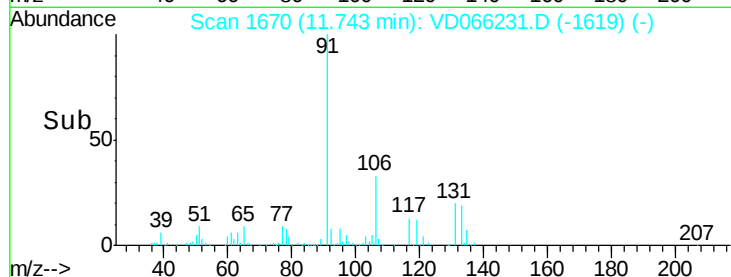
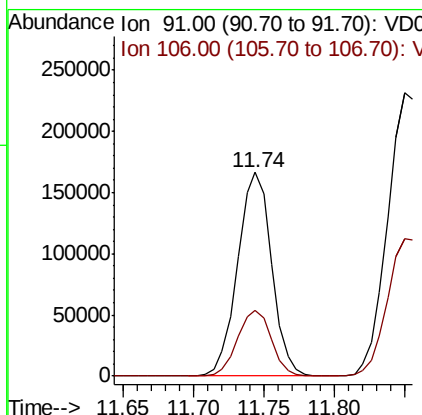
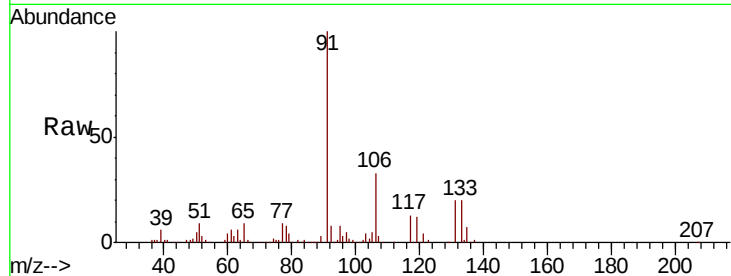




#67
Ethyl Benzene
Concen: 18.242 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

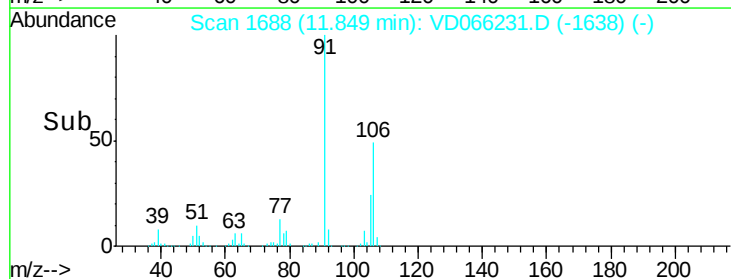
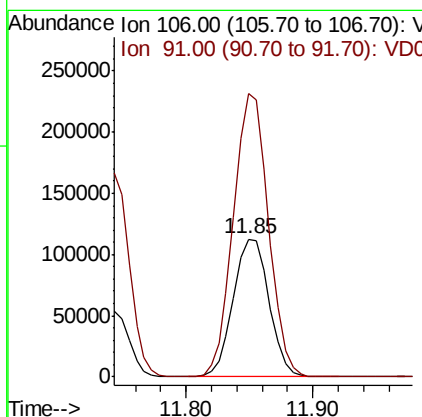
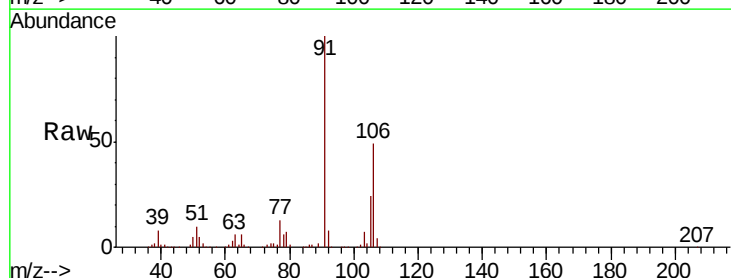
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

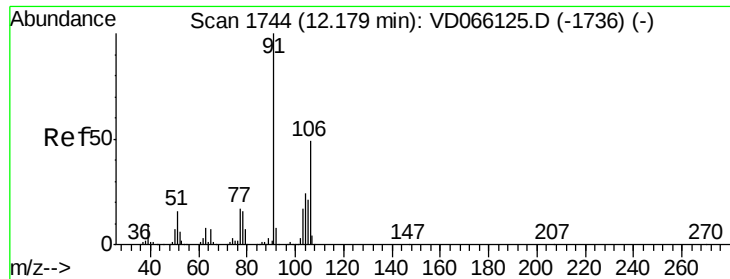
Tot Ion: 91 Resp: 281158
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 36.923 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 106 Resp: 220487
Ion Ratio Lower Upper
106 100
91 201.6 156.6 235.0

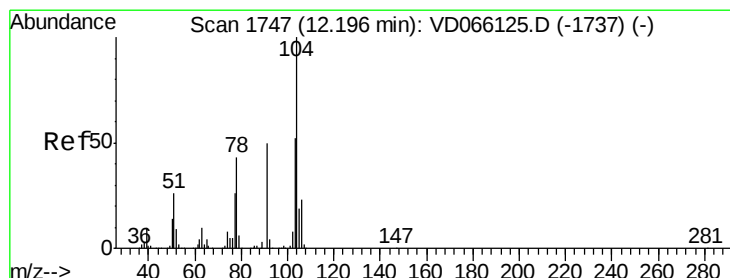
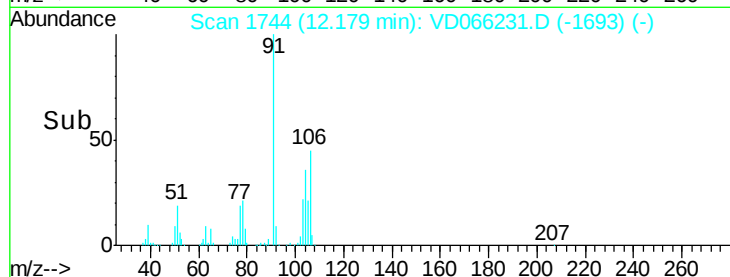
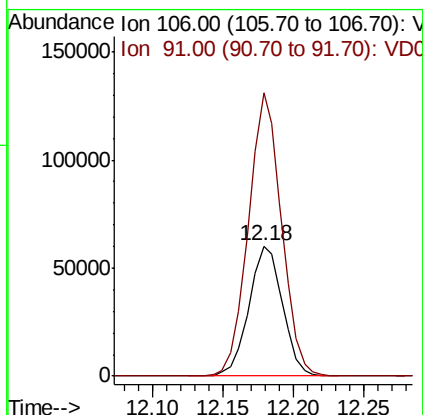
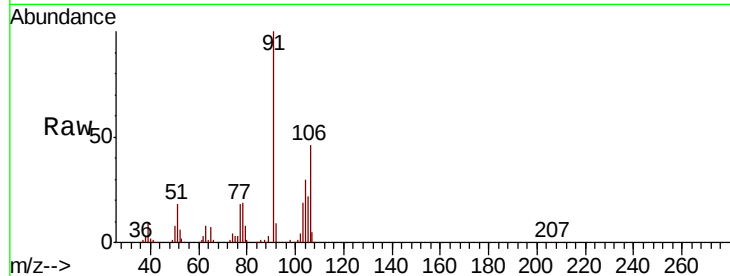




#69
o-Xylene
Concen: 18.493 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

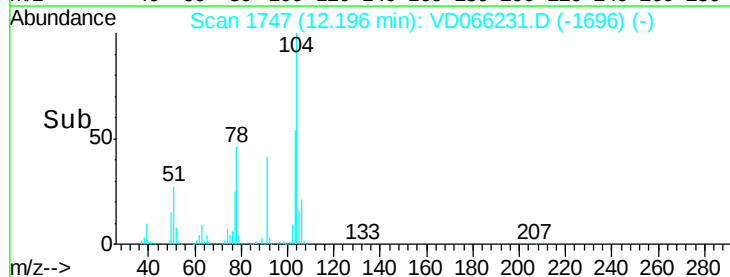
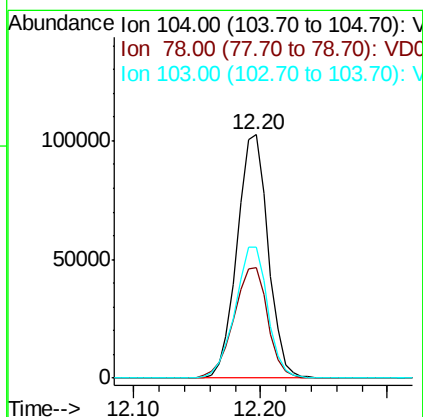
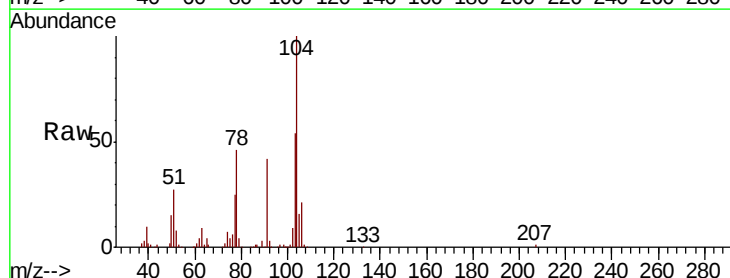
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

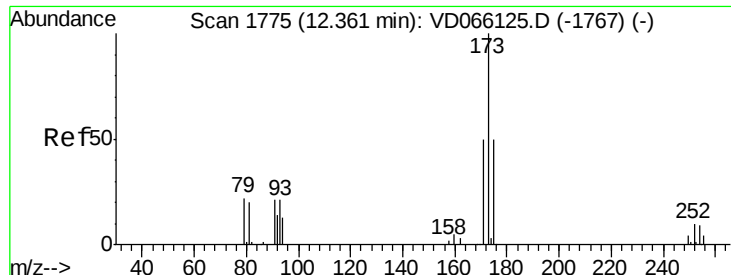
Tot Ion:106 Resp: 100455
Ion Ratio Lower Upper
106 100
91 214.2 105.7 317.1



#70
Styrene
Concen: 18.269 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion:104 Resp: 173921
Ion Ratio Lower Upper
104 100
78 49.6 38.6 58.0
103 56.6 44.1 66.1

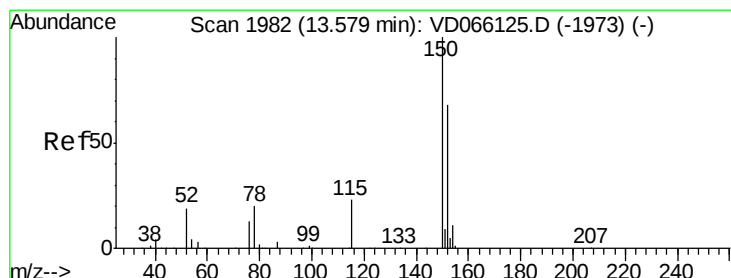
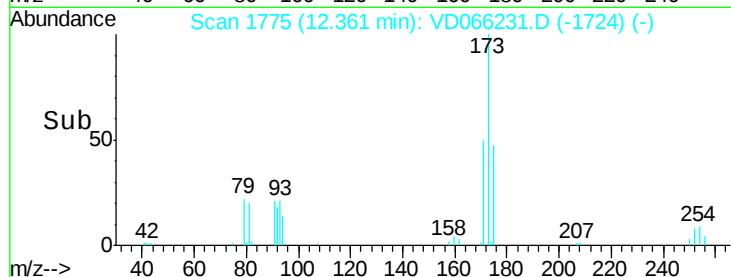
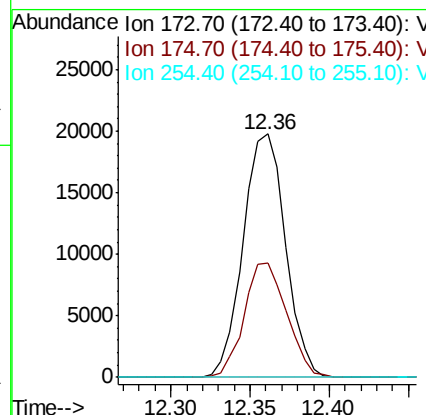
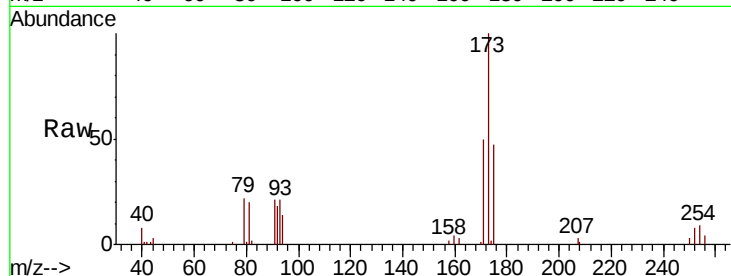




#71
Bromoform
Concen: 17.798 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

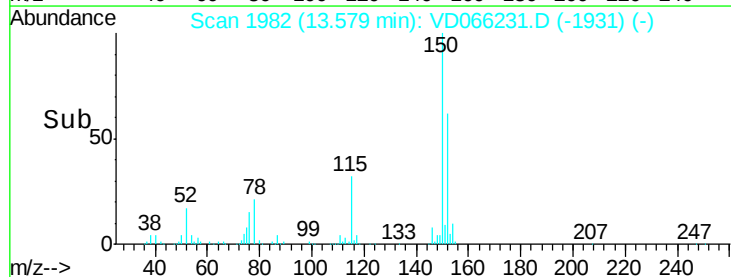
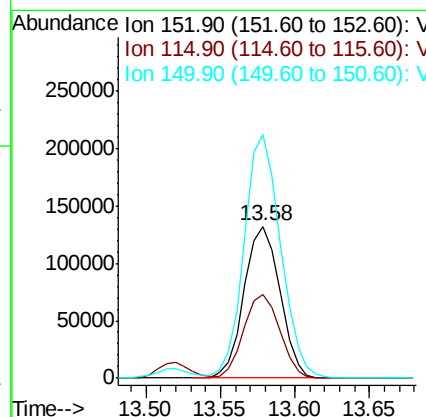
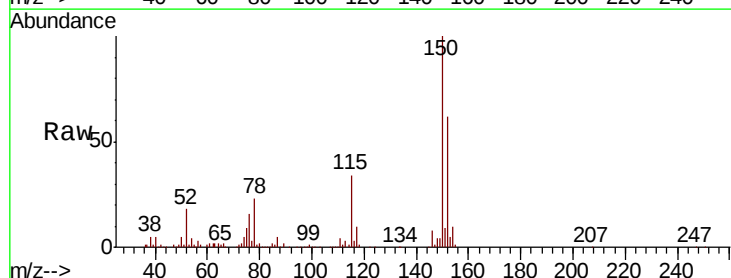
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

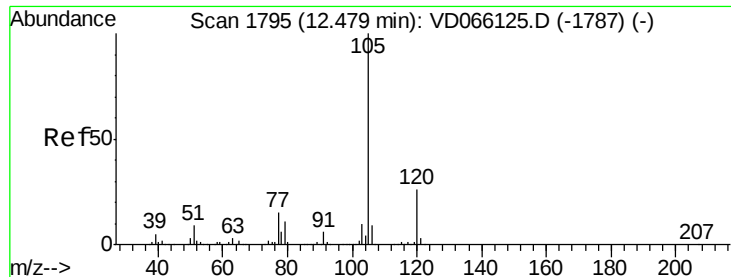
Tot Ion:173 Resp: 36696
Ion Ratio Lower Upper
173 100
175 47.3 24.6 73.6
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion:152 Resp: 220314
Ion Ratio Lower Upper
152 100
115 55.6 28.0 83.9
150 162.8 0.0 346.4





#73

Isopropylbenzene

Concen: 18.901 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

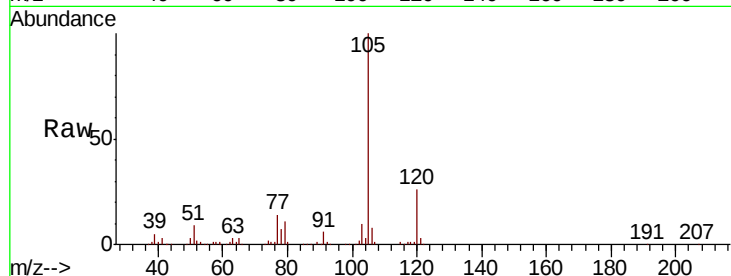
VD0814SBSD01

Tot Ion:105 Resp: 277971

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

200000

150000

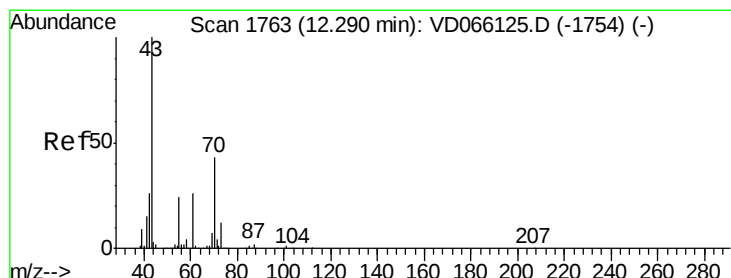
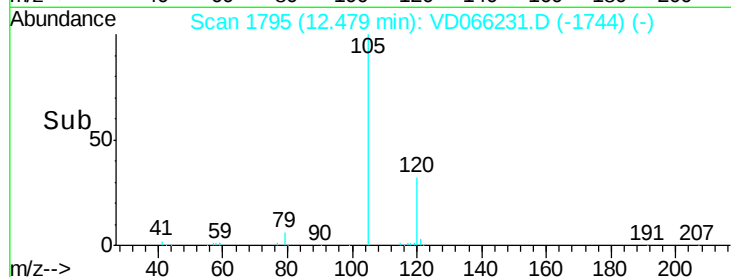
100000

50000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 17.240 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion: 43 Resp: 55830

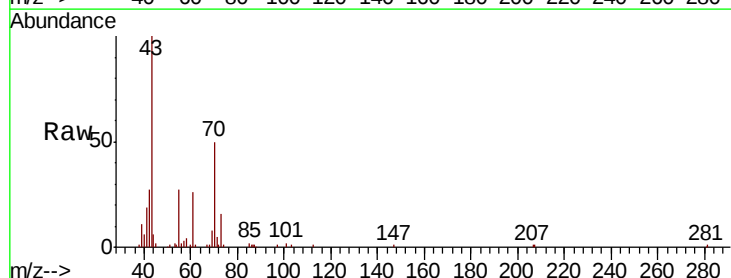
Ion Ratio Lower Upper

43 100

70 46.1 34.9 52.3

55 26.5 19.2 28.8

61 24.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

50000

40000

30000

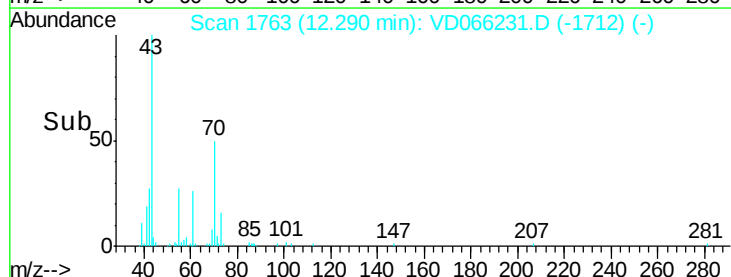
20000

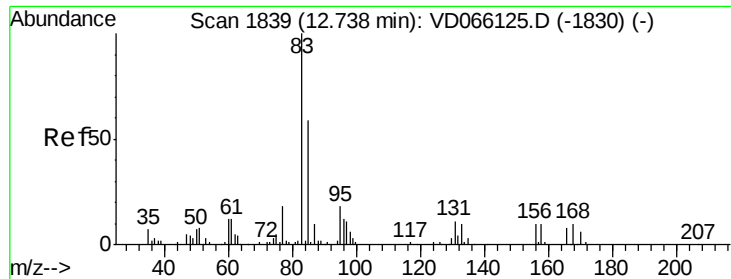
10000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 17.914 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

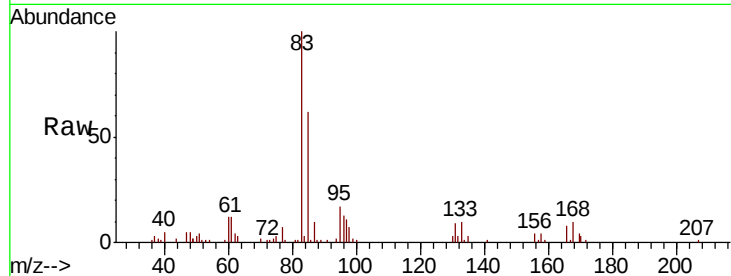
Tot Ion: 83 Resp: 44923

Ion Ratio Lower Upper

83 100

131 12.8 6.2 18.6

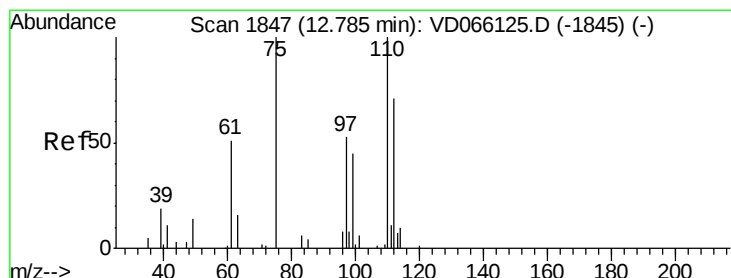
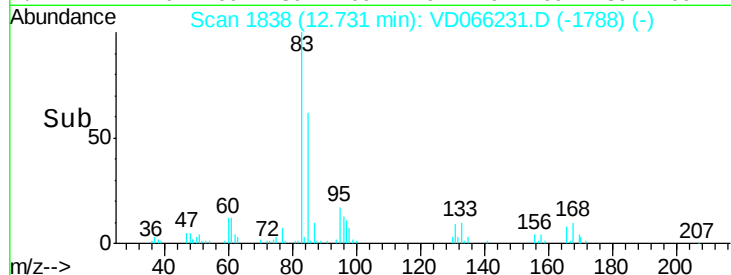
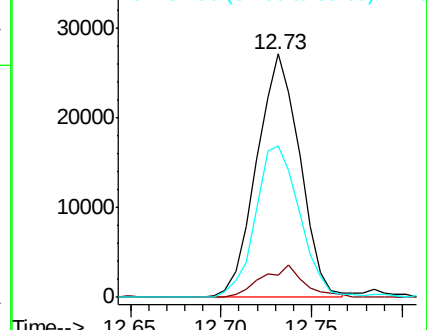
85 63.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 32.559 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066231.D

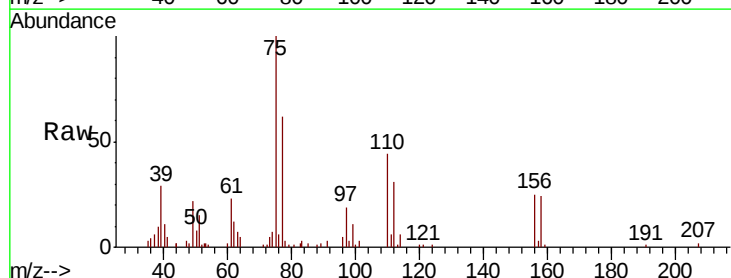
Acq: 14 Aug 2020 12:43

Tgt Ion: 75 Resp: 59820

Ion Ratio Lower Upper

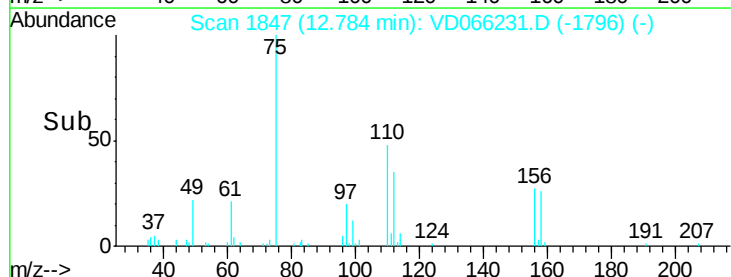
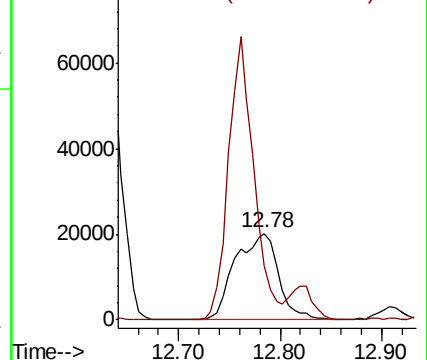
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.827 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

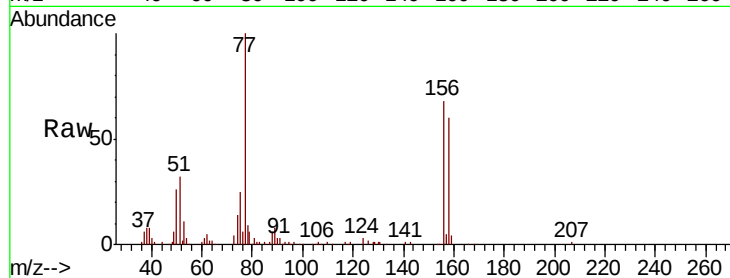
Tot Ion:156 Resp: 71273

Ion Ratio Lower Upper

156 100

77 162.0 81.0 243.1

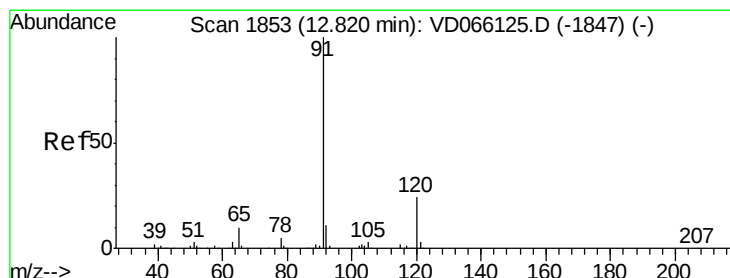
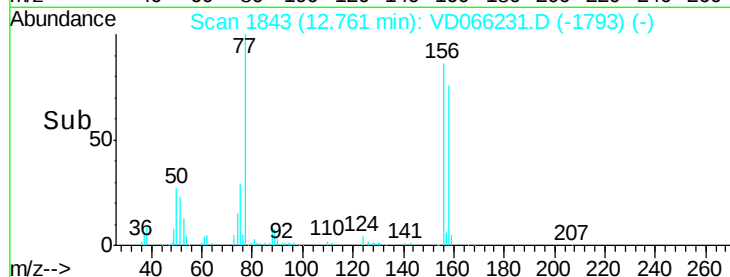
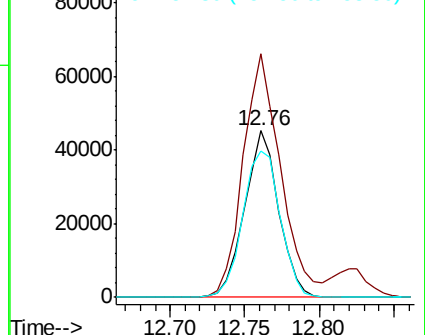
158 96.8 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.032 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066231.D

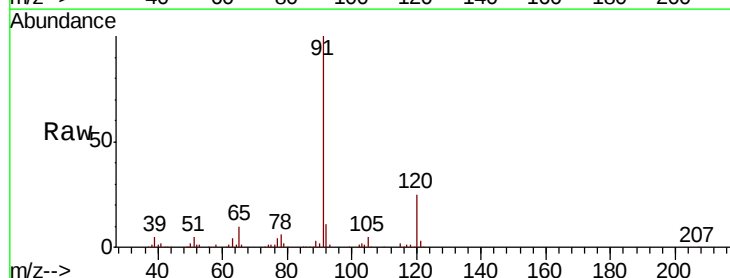
Acq: 14 Aug 2020 12:43

Tgt Ion: 91 Resp: 325357

Ion Ratio Lower Upper

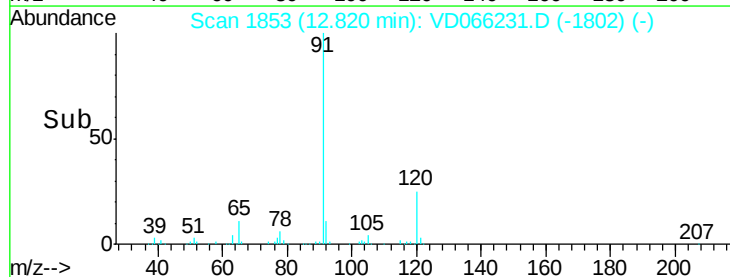
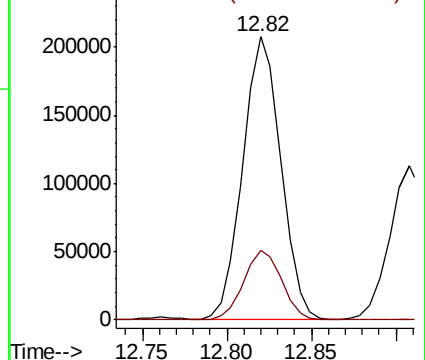
91 100

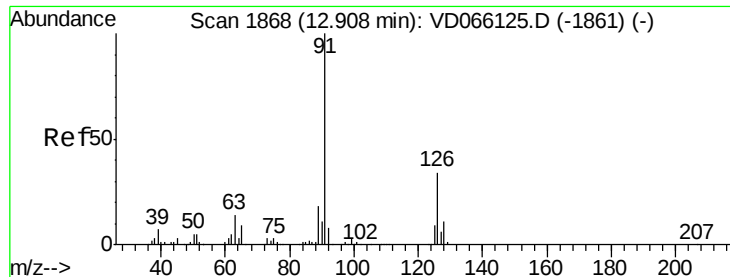
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.905 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

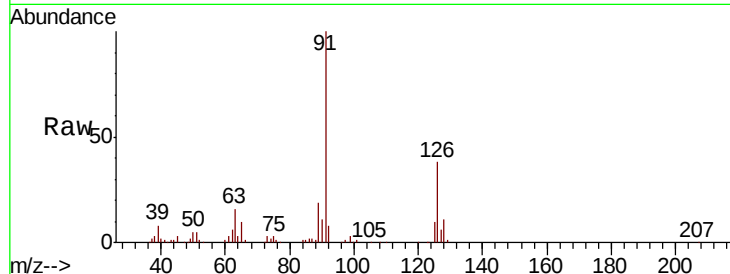
VD0814SBSD01

Tot Ion: 91 Resp: 184838

Ion Ratio Lower Upper

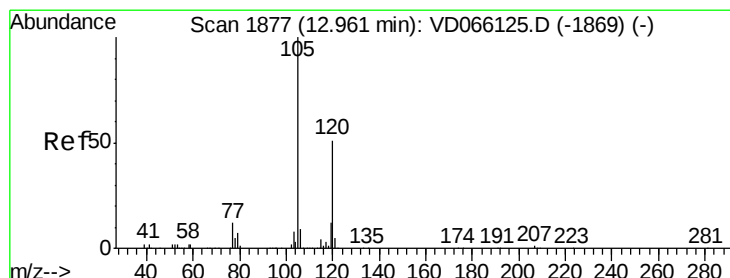
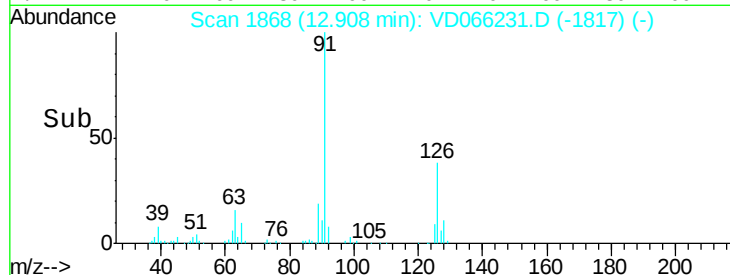
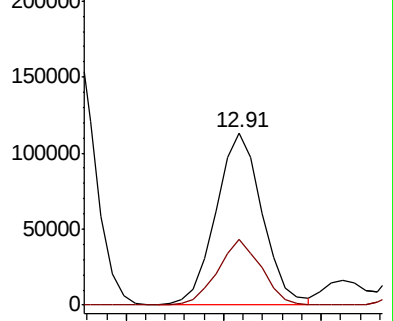
91 100

126 36.5 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD066231.D (-1817) (-)

Ion 125.90 (125.60 to 126.60): VD066231.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.139 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066231.D

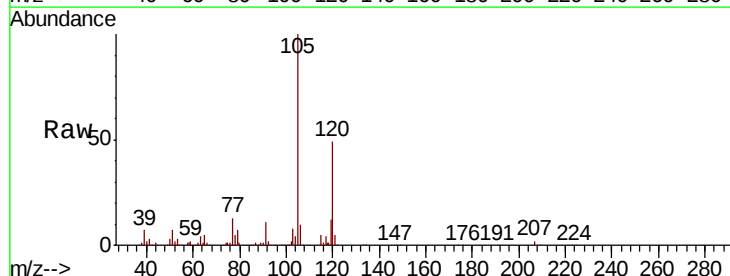
Acq: 14 Aug 2020 12:43

Tgt Ion:105 Resp: 235388

Ion Ratio Lower Upper

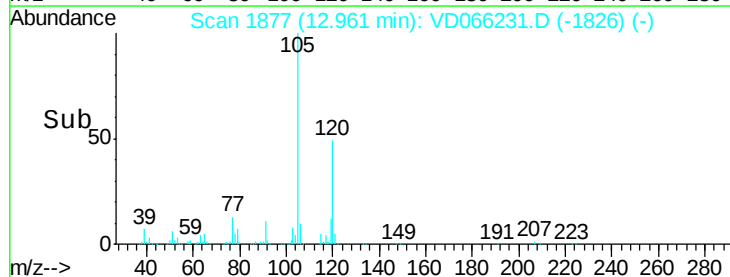
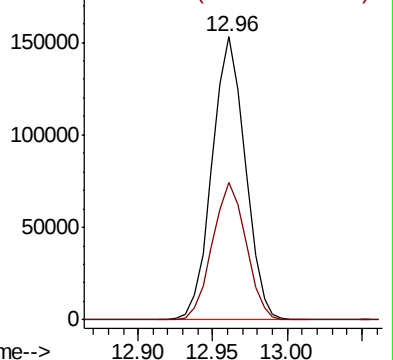
105 100

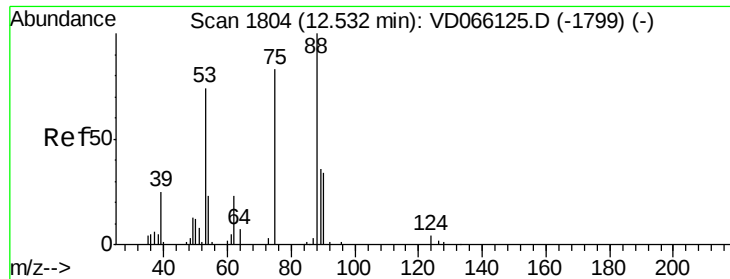
120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066231.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066231.D (-1826) (-)

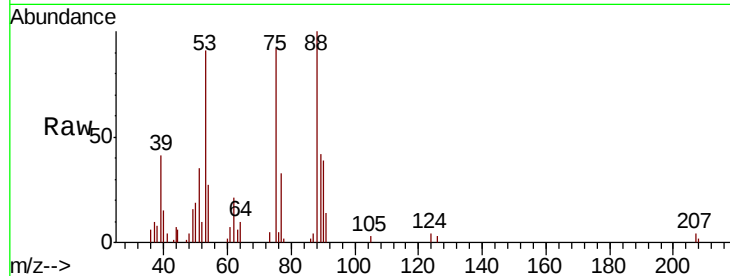




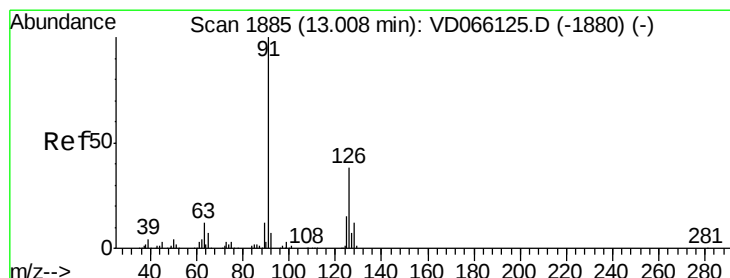
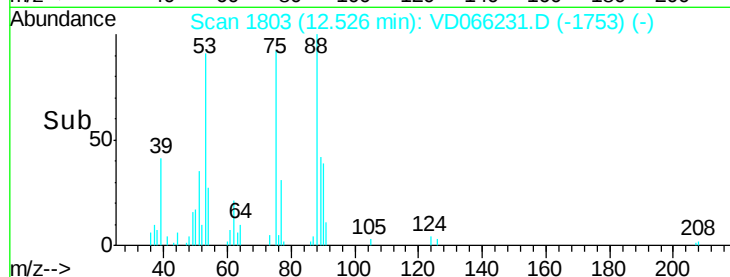
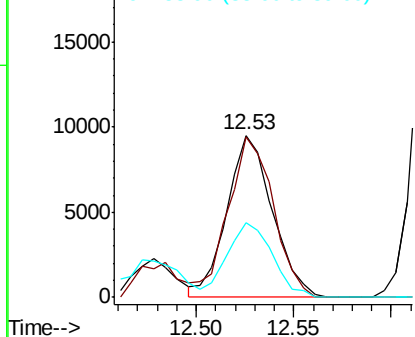
#81
trans-1,4-Dichloro-2-butene
Concen: 18.499 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion: 75 Resp: 15375
Ion Ratio Lower Upper
75 100
53 98.9 73.4 110.2
89 45.6 36.6 55.0

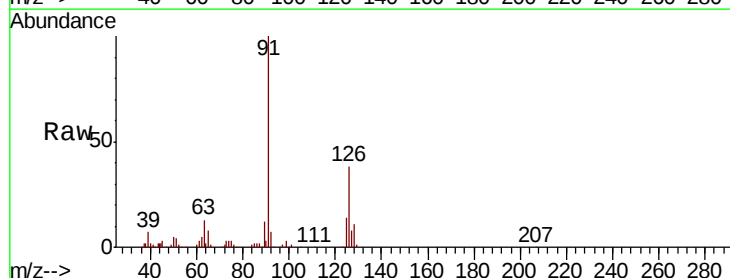


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC

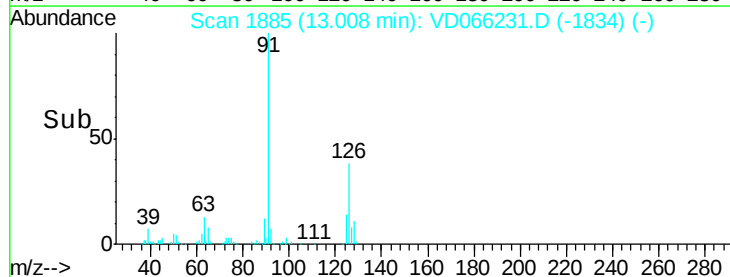
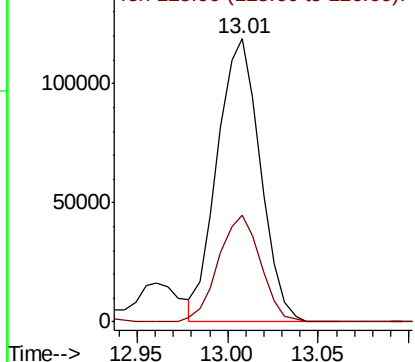


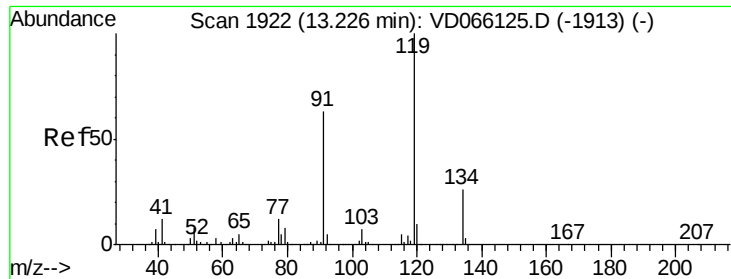
#82
4-Chlorotoluene
Concen: 18.969 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 91 Resp: 195782
Ion Ratio Lower Upper
91 100
126 37.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

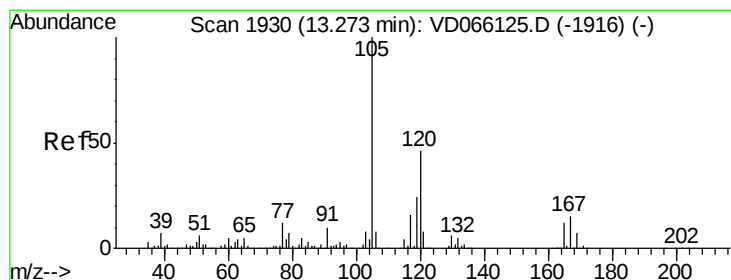
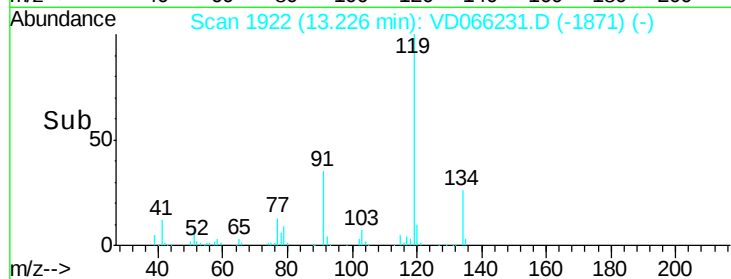
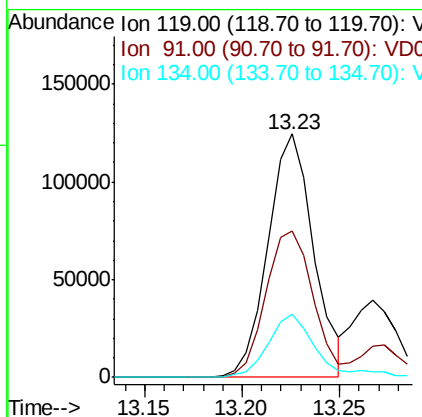
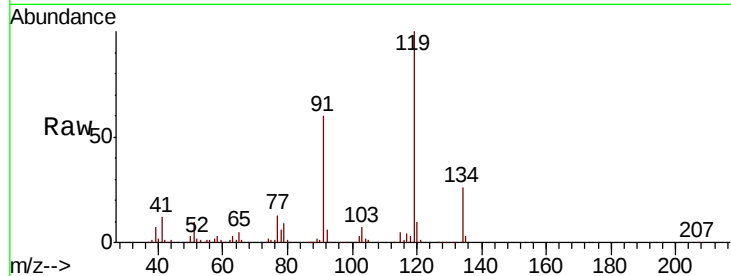




#83
tert-Butylbenzene
Concen: 18.685 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

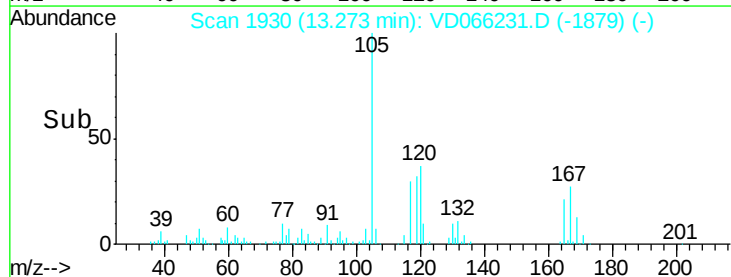
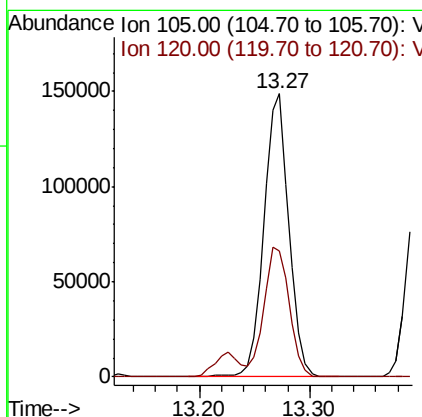
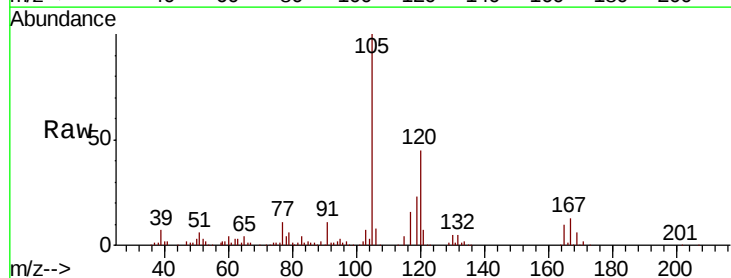
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

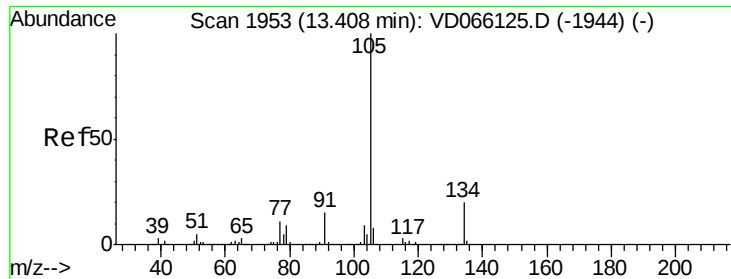
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.4
134	27.4	13.6	40.8



#84
1,2,4-Trimethylbenzene
Concen: 19.100 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.192 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

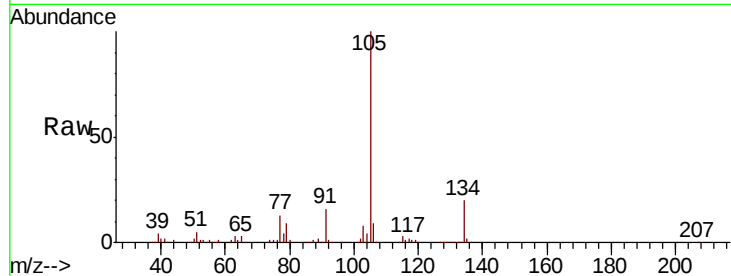
VD0814SBSD01

Tot Ion:105 Resp: 280269

Ion Ratio Lower Upper

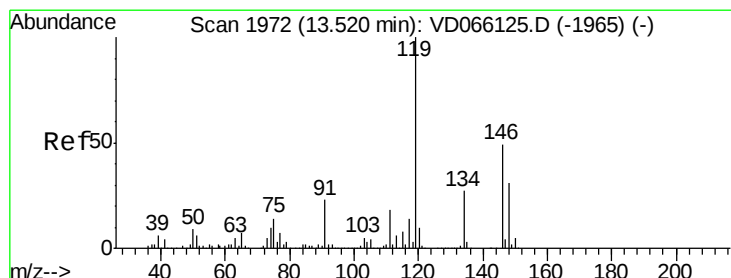
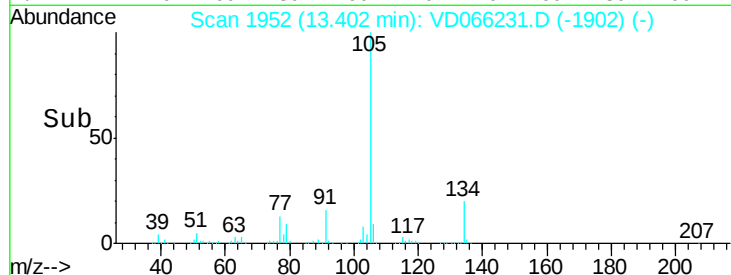
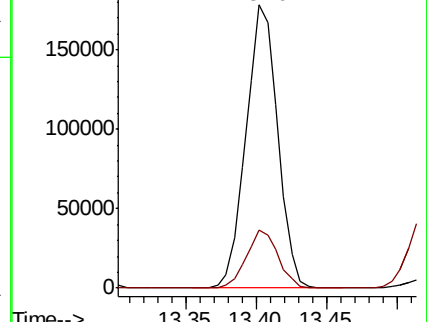
105 100

134 20.5 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.262 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

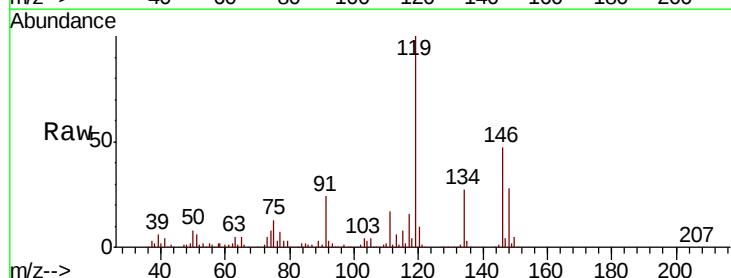
Tgt Ion:119 Resp: 263825

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

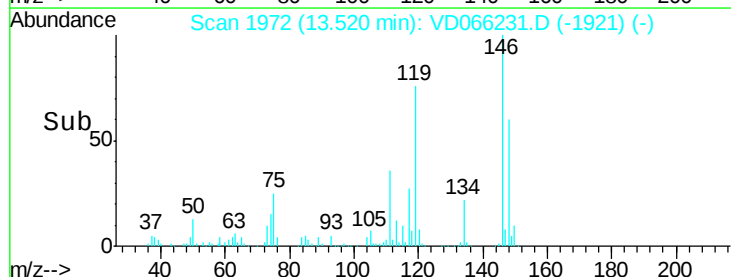
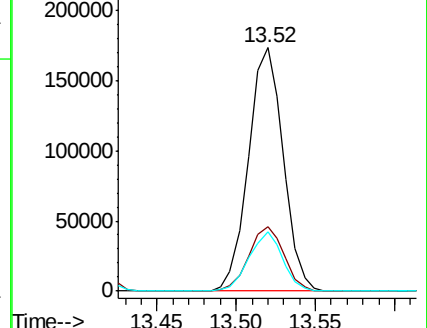
91 23.7 11.2 33.5

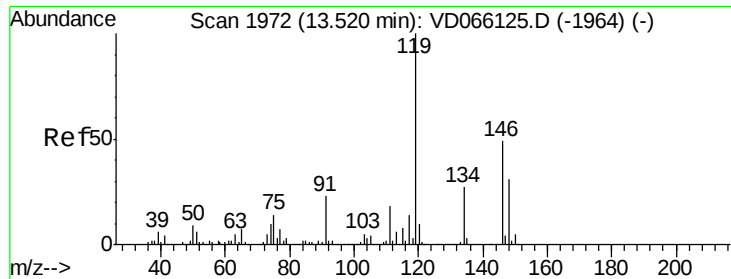


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

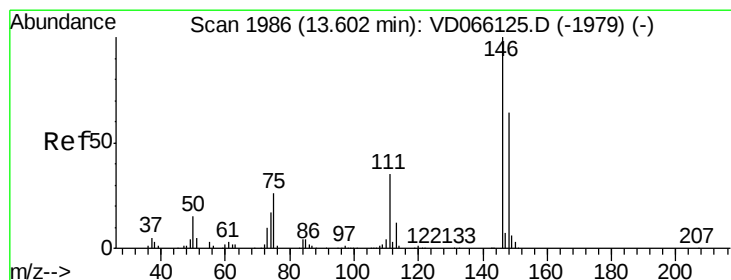
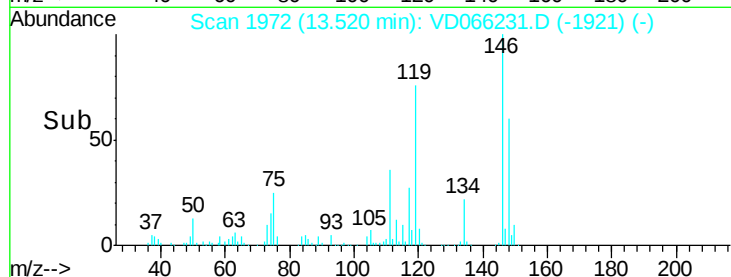
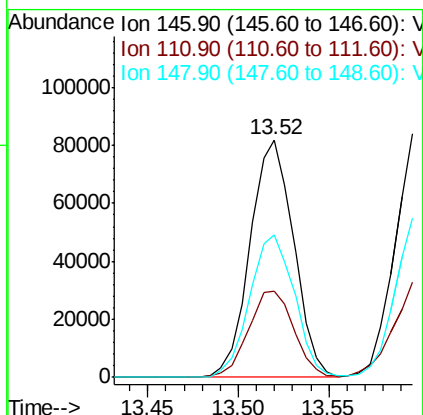
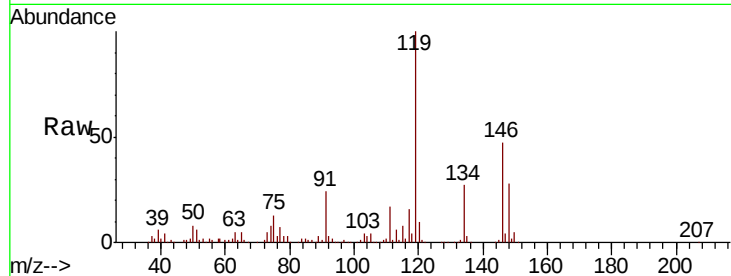




#87
 1,3-Dichlorobenzene
 Concen: 19.193 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

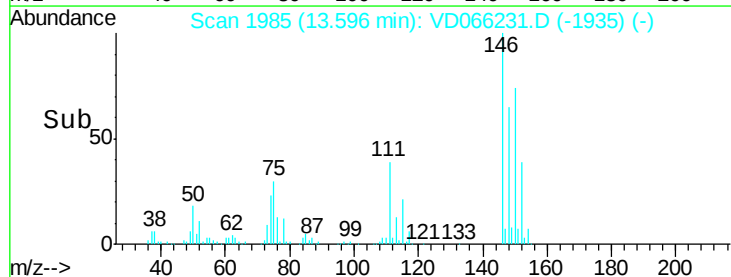
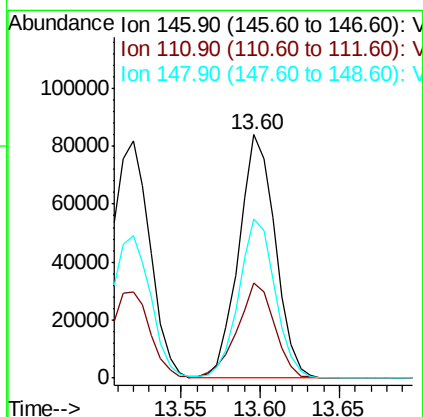
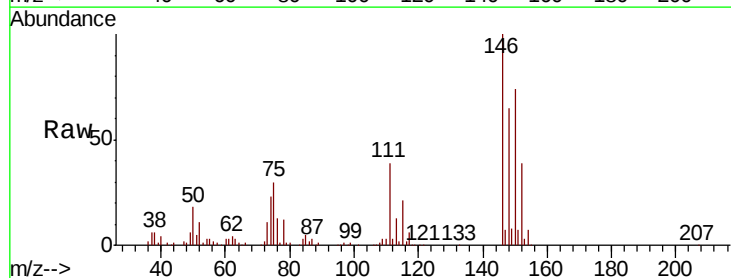
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

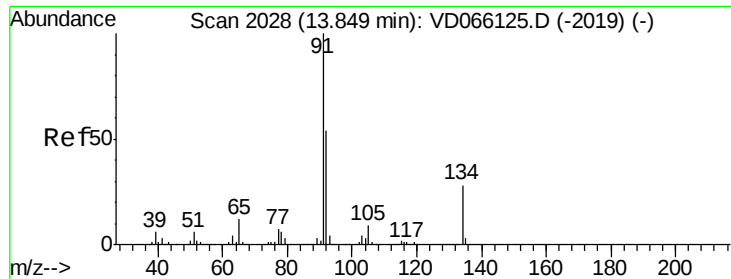
Tot Ion:146 Resp: 136564
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 62.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.932 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion:146 Resp: 134336
 Ion Ratio Lower Upper
 146 100
 111 39.9 18.6 55.8
 148 64.9 32.4 97.0

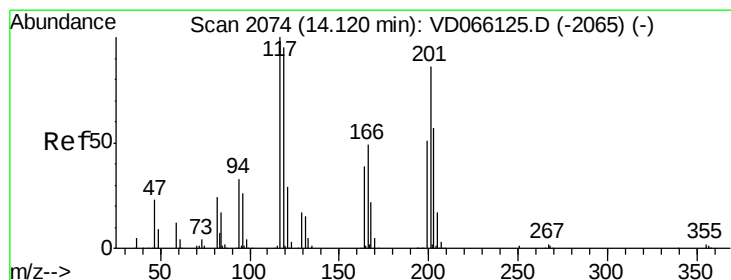
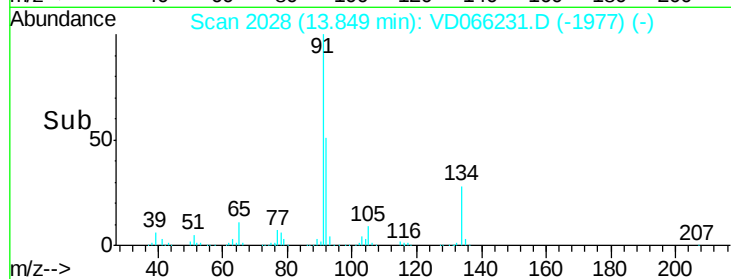
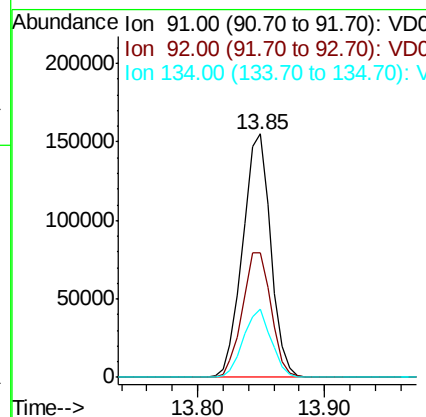
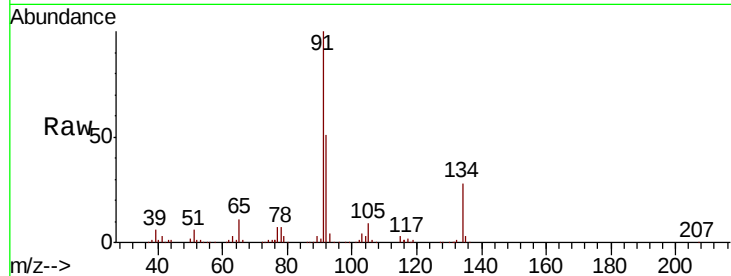




#89
n-Butylbenzene
Concen: 19.302 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

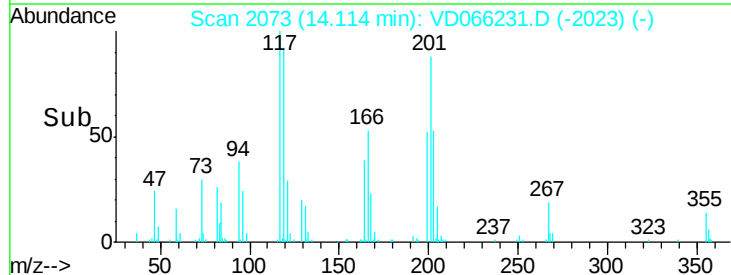
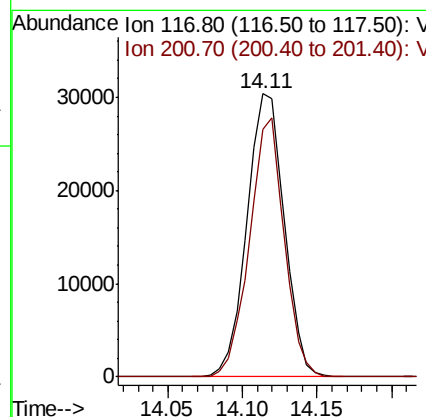
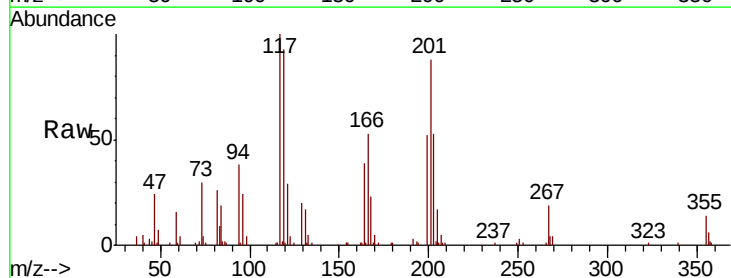
Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

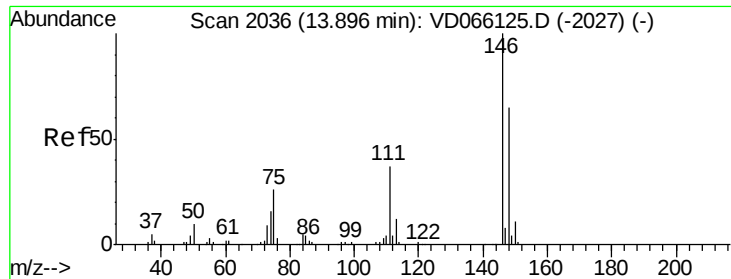
Tot Ion: 91 Resp: 236872
Ion Ratio Lower Upper
91 100
92 52.7 26.8 80.3
134 27.8 14.0 41.9



#90
Hexachloroethane
Concen: 19.205 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 117 Resp: 52461
Ion Ratio Lower Upper
117 100
201 85.0 42.7 128.1

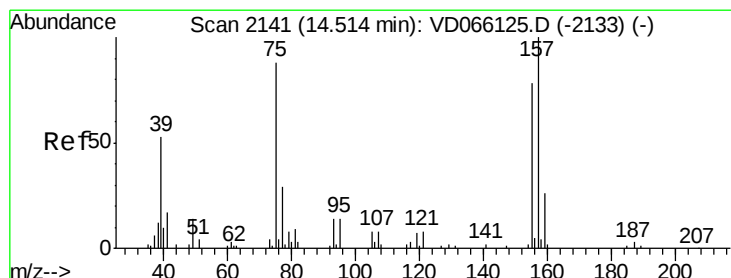
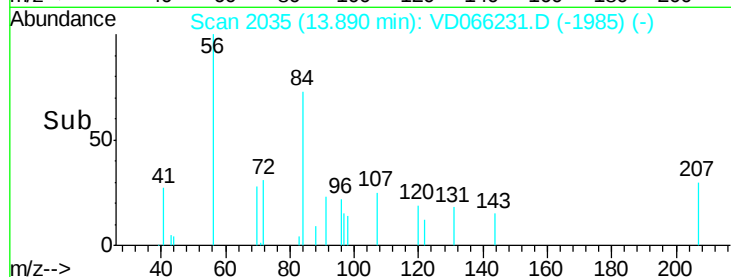
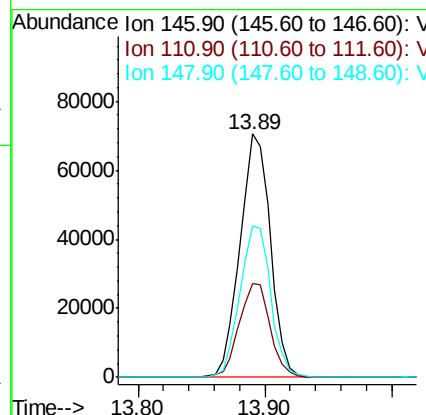
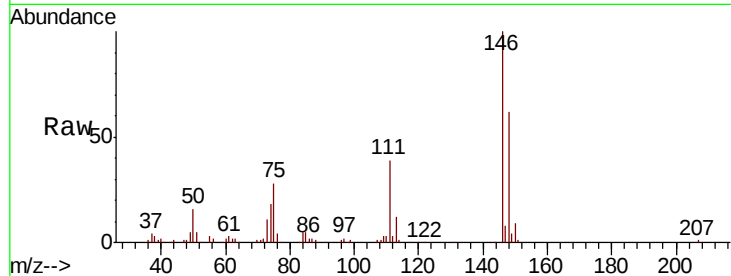




#91
 1,2-Dichlorobenzene
 Concen: 18.614 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

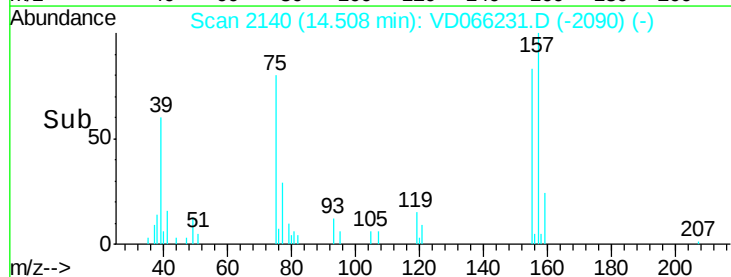
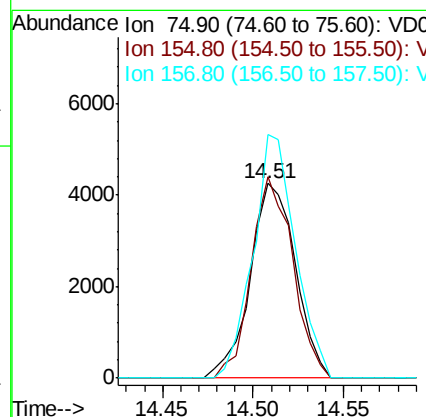
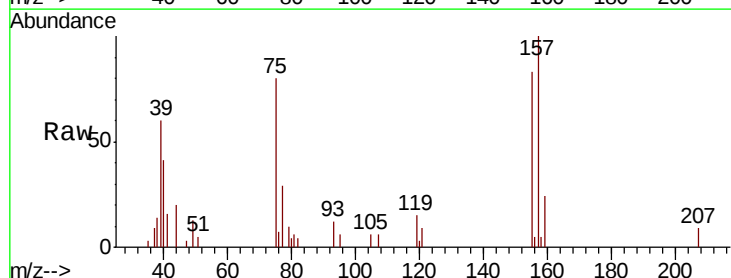
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

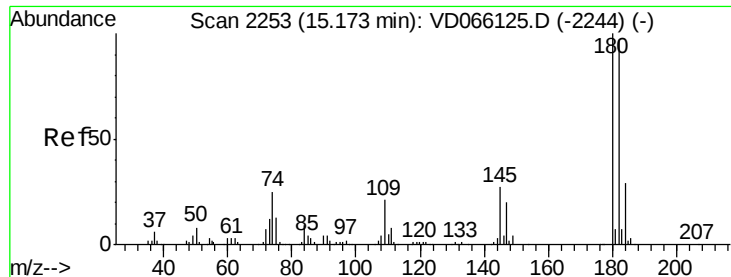
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.8	56.3
148	62.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.193 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	47.7	143.1
157	116.9	62.1	186.2

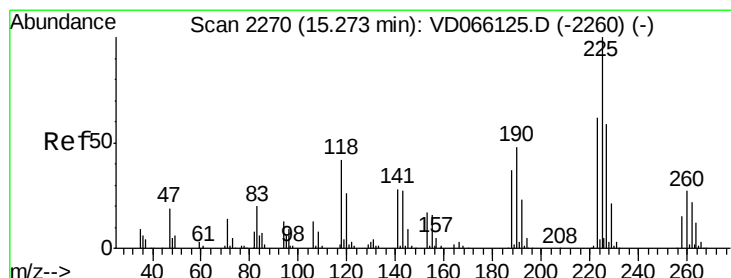
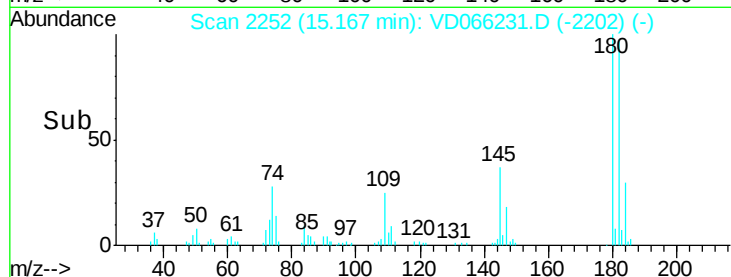
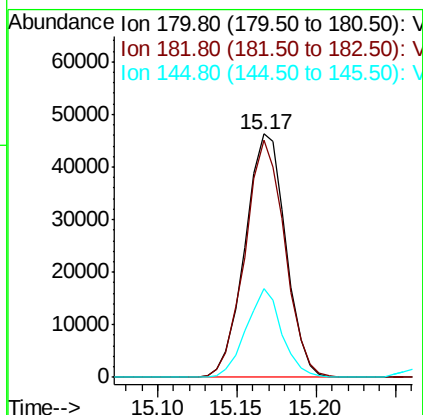
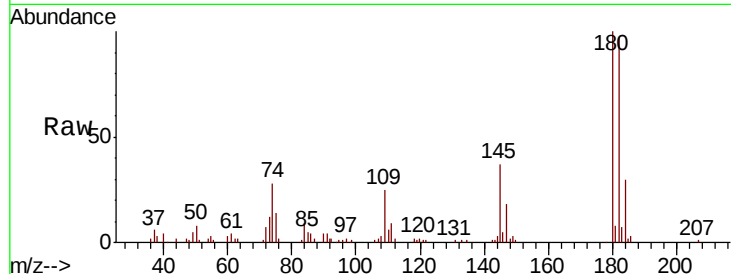




#93
 1,2,4-Trichlorobenzene
 Concen: 17.772 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

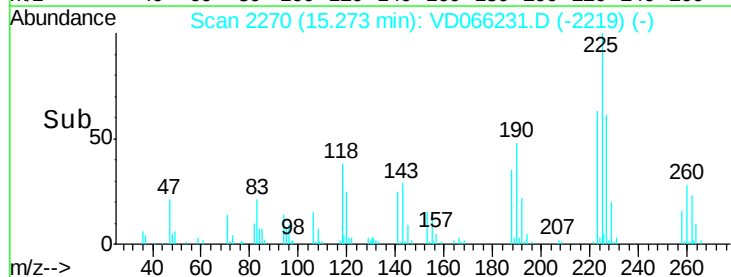
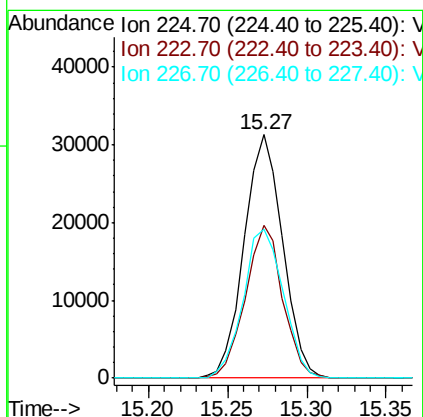
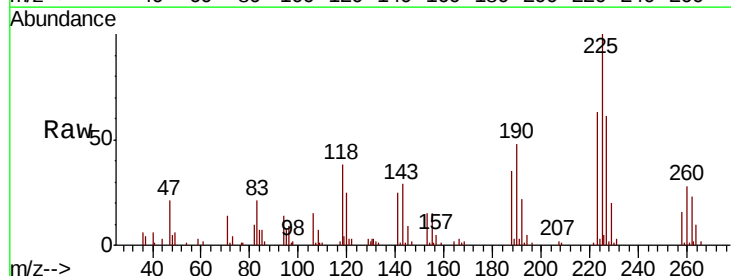
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

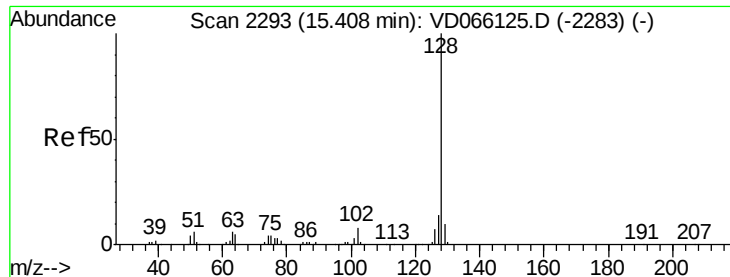
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	32.1	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 19.380 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.3	96.9
227	63.7	32.1	96.5





#95

Naphthalene

Concen: 17.135 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

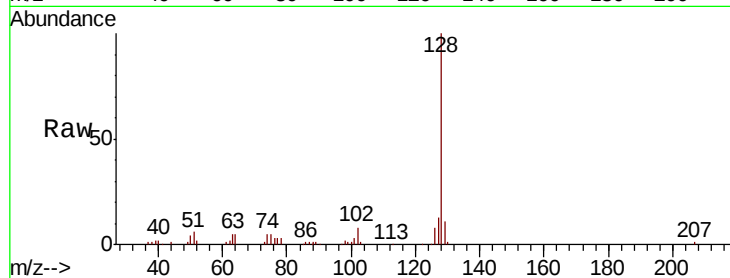
Tot Ion:128 Resp: 129471

Ion Ratio Lower Upper

128 100

127 12.8 11.0 16.4

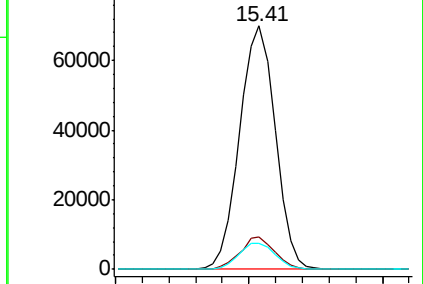
129 11.1 8.8 13.2



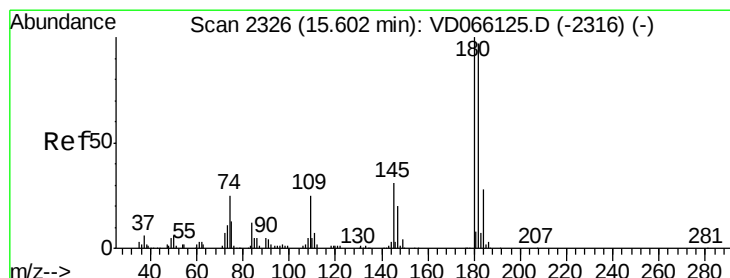
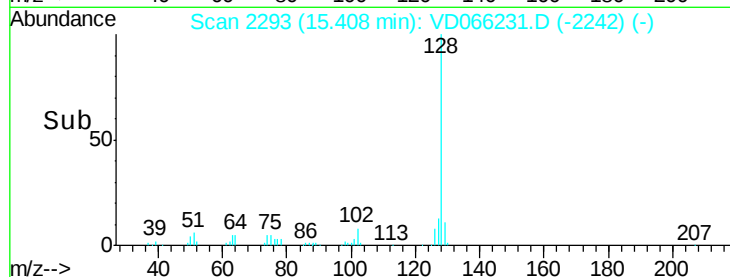
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 18.237 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

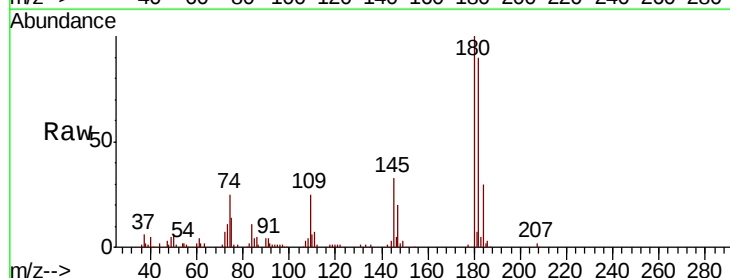
Tgt Ion:180 Resp: 74654

Ion Ratio Lower Upper

180 100

182 92.4 47.1 141.4

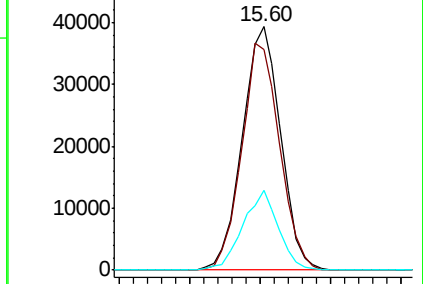
145 30.4 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.55 15.60 15.65

